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AMES

U. S. Department of Agriculture

HANDY SEED LIST

1923



HOME OF
Ames Agricultural Implement
Company

22-26 Merchants' Row - Boston, Mass.

Telephone: Congress 6315, 6316

INSTRUCTIONS FOR CUSTOMERS

ORDER EARLY.—We suggest that customers send us their orders as soon as possible after receiving this catalogue and avoid the rush of the planting season.

ADDRESS, ETC.—Give name of your post office, county and state, sign your name plainly; also specify means of conveyance preferred—whether by parcel post, express or freight.

FREE DELIVERY.—We will send by parcel post, to any part of the United States, all Vegetables and Flower Seeds quoted in this catalogue at packet, ounce and quarter-pound pound-rates free of expense to the purchaser. All heavy seeds, including Peas, Beans, Corn, Clover Seed, Seed Grain, Roots, etc., are quoted at net prices at our store. Purchasers desiring these by mail, are requested to remit an additional amount sufficient to cover postage, at parcel post rates according to zone. Allow two pounds in weight for each quart of Peas, Beans, or Corn. Particular attention is invited to this, as, when omitted, the cost of postage will be deducted from the amount received.

SHIPPING.—We deliver free to Express, Railroad or All goods travel at the buyer's risk, our responsibility ceases when we take the carrier's receipt. If goods are damaged so sign for them and enter claim with the carrier at once.

BAGS AND PACKING.—No charge is made for boxes or packing. Cloth Bags are charged for at cost and if returned in good condition charges prepaid, will be credited at price charged.

REMITTANCES.—May be made by Express Money Order, P. O. Money Order or Bank Draft: if stamps or cash send in a Registered Letter.

PRICES.—All prices are subject to change without notice.

We give no warranty, expressed or implied, as to quality, description, productiveness, or any other matter of any Seeds, Bulbs or Plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they must at once be returned.

PARCEL POST RATES

- 1st zone—5c. for first pound and 1c. for each additional pound or fraction.
- 2d zone—5c. for first pound and 1c. for each additional pound or fraction.
- 3d zone—6c. for first pound and 2c. for each additional pound or fraction.
- 4th zone—7c. for first pound and 4c. for each additional pound or fraction.
- 5th zone—8c. for first pound and 6c. for each additional pound or fraction.

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ARTICHOKE

CULTURE. In February or March sow in hotbed. Transplant to the open in May in rows 3 or 4 feet apart, and 2 feet apart in the rows. Should give globes the same year. Seed sown in May and transplanted in June has to be wintered. Tie up leaves, then bank with dirt; will mature the second year.

Giant Green Globe. Produces large, globular heads, thick, succulent scales, of fine flavor. Pkt. 25c, oz. \$1.25.

Jerusalem Artichoke. Cultivated for its tubers. Qt. 35c, pk. \$2.25.

ASPARAGUS

One ounce will sow about 50 feet of drill

CULTURE. Asparagus roots may be purchased in the Spring or Fall, or seed may be sown in April or May, in good soil, in drills 12 to 14 inches apart. The permanent bed should be made very rich with well-rotted manure, and thoroughly worked over to the depth of 2 feet. The Asparagus roots (either 1 or 2 years old) are to be transplanted into this bed setting them in rows 3 or 4 feet apart, leaving about 18 inches between the plants in a row. Lay the roots flat in trenches, spreading them well, and using care to have all the crowns placed in the same direction, to keep the roots from running together. Cover lightly at first, gradually filling the trenches as the plants begin to start; the crowns of the roots should be about 6 inches below the level of the bed. Avoid locations near trees, particularly large trees, for their roots will soon take possession of the ground.

Giant Argenteuil (Special Strain). A standard giant variety, very productive, early and of fine flavor. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Conover's Colossal. Large, prolific, and of fine flavor. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c.

Palmetto or Eclipse. One of the earliest, producing uniform stalks; prolific and finely flavored; color, green. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c.

Asparagus Roots

Asparagus Roots can be supplied in October and May.

Argenteuil. 2 years. Per 100, \$1.75; per 1000, \$15.00.

Conover's Colossal. 2 years. Per 100, \$1.75; per 1000, \$15.00.

Palmetto. 2 years. Per 100, \$1.75; per 1000, \$15.00.

Reading Giant. 2 years. Per 100, \$2.50; per 1000, \$18.00.

BEANS, DWARF OR BUSH

Wax Podded Varieties

On account of the new Food Law, Beans and Peas must be sold by the pound.

CULTURE. Beans succeed in almost any well worked soil. Plant about May 15th, or when the weather has become warm, in drills 2 to 3 feet apart, covering seed about 2 inches. Keep the soil between the rows well cultivated.

Black Wax Improved. Clear, waxy white pods of medium size and round; very tender. Pkt. 20c, 1 lb. 35c, 2 lbs. 65c, 7 $\frac{1}{2}$ lbs. \$2.75.

Brittle Wax. A hardy quick growing bean. Very early, stringless, good quality, pods round. 1 lb. 35c, 2 lbs. 65c, 8 lbs. \$2.65.

Currier's Rust Proof (Dry Bean, Black). An improved type; a tremendous yielder with long, flat pods. Pkt. 20c, 1 lb. 35c, 2 lbs. 65c, 7 $\frac{1}{2}$ lbs. \$2.50.

Davis' Kidney Wax. An excellent bean for market gardeners. Must be picked just before coming to maturity. It is considered one of the rust proof beans. It has large, well shaped, waxy pods. Pkt. 20c, 1 lb. 35c, 2 lbs. 60c, 7 $\frac{1}{2}$ lbs. \$2.25.

Hodson Wax. The pods are straight and average about 7 inches in length; color, clear light yellow. Vines are very vigorous, and well filled with pods that are entirely free from rust and blight. Matures about 10 days later than the Wardwell's Kidney Wax. Pkt. 20c, 1 lb. 35c, 2 lbs. 60c, 7 $\frac{1}{2}$ lbs. \$2.25.

Golden Wax. Probably the most tender of all the wax beans. Long, broad, flat pods of a beautiful butter yellow. Very productive. An excellent snap bean. Pkt. 20c, 1 lb. 35c, 2 lbs. 60c, 7 $\frac{1}{2}$ lbs. \$2.25.

Improved Golden Wax. An improvement over the old Golden Wax in hardness and earliness. Long, flat, stringless pods. Yields abundantly. Pkt. 20c, 1 lb. 35c, 2 lbs. 60c, 7 $\frac{1}{2}$ lbs. \$2.25.

Keeney's Rustless Golden Wax. A strong growing, remarkably productive variety. The pods are flat, very tender, and entirely stringless. Pkt. 20c, 1 lb. 35c, 2 lbs. 60c, 7 $\frac{1}{2}$ lbs. \$2.25.

New Kidney Wax. More robust in growth, and more prolific than Wardwell's Kidney Wax, longer pods, which are more handsome in appearance, entirely stringless, more fleshy, and of much finer quality. The plants are of erect bush habit, between 16 and 20 inches in height. The pods are 6 to 7 inches long, about $\frac{1}{4}$ inch wide and about $\frac{1}{4}$ inch thick. Pkt. 20c, 1 lb. 40c, 2 lbs. 75c, 7 $\frac{1}{2}$ lbs. \$2.75.

Refugee Wax. One of the finest for the table, very early, with long, round, yellow pods of delicious flavor. Perfectly stringless. Pkt. 20c, 1 lb. 30c, 2 lbs. 65c, 7 $\frac{1}{2}$ lbs. \$2.00.

Round Pod, Kidney Wax. Excellent for the market gardener where a round pod is the more salable. Pkt. 20c, 1 lb. 30c, 2 lbs. 65c, 7 $\frac{1}{2}$ lbs. \$2.50.

Sure Crop, Stringless Wax. A dwarf growing variety, producing early, rich yellow pods, measuring 7 inches long, more than $\frac{1}{2}$ inch wide, and nearly $\frac{1}{2}$ inch thick. An excellent bean for the market gardener. Pkt. 20c, 1 lb. 40c, 2 lbs. 75c, 7 $\frac{1}{2}$ lbs. \$2.50.

Wardwell Kidney Wax. A superb variety for the market or for the table. Pods long, quite flat, and handsome color. An abundant yielder. Pkt. 20c, 1 lb. 40c, 2 lbs. 75c, 7 $\frac{1}{2}$ lbs. \$2.75.

Webber Wax. A high quality, flat-podded, stringless variety, and more meaty than Wardwell's Wax, good shipper. 1 lb. 30c, 2 lbs. 55c, 8 lbs. \$2.40.

Green Podded Varieties

One quart of Beans weighs 30 ounces. All prices from packet up are at pound rate.

Bountiful. One of the best early, flat-podded varieties, perfectly stringless, very tender, and a prolific bearer. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Burpee's Stringless Green Pod. It is not equaled by any other green pod bean. It is quite hardy, extremely early, the pods are tender, stringless, and of the highest quality. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Extra Early Refugee. An extremely early, green-podded bean, of medium size and fine quality. Pkt. 20c, 1 lb. 30c, 2 lbs. 55c, 7½ lbs. \$2.00.

Extra Early Red Valentine. One of the earliest of fine quality. A fine snap bean. Pkt. 15c, 1 lb. 30c, 2 lbs. 55c, 7½ lbs. \$2.00.

Giant Stringless Green Pod. Exceedingly productive and of fine flavor maturing a few days later than the Burpee's Stringless Green Pod. Pkt. 15c, 1 lb. 30c, 2 lbs. 55c, 7½ lbs. \$2.00.

Longfellow. Valued for its superior quality and productiveness. Pods are very long, straight, and round, and of a beautiful pale green color; the flavor is delicious. In every respect an ideal snap bean. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Long Yellow Six Weeks. A very productive, extra early variety, with long, straight, thick pods. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Refugee, or 1,000 to One. A fine snap bean, valued for either early or late planting. Often used for pickling. Pods round and tender. Pkt. 15c, 1 lb. 30c, 2 lbs. 65c, 7½ lbs. \$2.00.

Red Kidney. The old-fashioned baking bean. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Valentine Black. A great improvement over the Red Valentine, as the pods are one-third larger, perfectly round, but not quite so early. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

White Pea. The popular baking bean. Pkt. 15c, 1 lb. 30c, 2 lbs. 60c, 7½ lbs. \$2.00.

Yellow Eye Improved. A fine variety for baking. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 7½ lbs. \$1.25.

Dwarf String or Shell Beans

Dwarf Horticultural. One of the best varieties for a shell bean. Pods are very handsome, being yellowish, and thickly splashed with bright crimson; very productive. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

French Horticultural. This is an improved dwarf Horticultural bean, producing fine long beans beautifully splashed crimson, of bushy growth, with a tendency to throw out runners. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.50.

Goddard, or Boston Favorite. A flat podded variety, splashed with crimson. Used as a snap bean when young, and as a shell bean when fully developed. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Low's Champion. One of the most productive varieties we have. It can be used either as a snap or shell bean. Pods large, flat, and borne well off the ground; beans of a beautiful bright red color. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.50.

Beans—Pole or Running

Two pounds will plant about 50 hills

Dutch Case-Knife. Fine for shell or string. Early, very productive, and of fine flavor. Long, flat, green pods, turning white. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.50.

Horticultural Pole (Speckled Cranberry). An old variety, but still one of the best for the home garden. Pods green, streaked with crimson. Used as a snap or shell bean. Of vigorous growth and delicious flavor. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Improved Kentucky Wonder (Old Homestead). A very popular variety. Pods green, very long and flat, and perfectly stringless. Enormously productive and the earliest of the green podded varieties. Unsurpassed for the table, being very tender and of fine flavor. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Kentucky Wonder Wax. Pods yellow. Vines and pods are similar to those of the Kentucky Wonder, but the quality is superior and the yield is even greater if that is possible. Will continue to bear until killed by frost. Pkt. 15c, 1 lb. 50c, 2 lbs. 85c, 7½ lbs. \$3.00.

Lazy Wife. A large, green-podded variety, stringless and quite prolific. Beans white and of excellent flavor. Pkt. 15c, 1 lb. 35c, 2 lbs. 60c, 7½ lbs. \$2.25.

Scarlet Runner. Grown extensively for ornamental purposes, as flowers are a most brilliant scarlet and borne profusely. Beans are broad and flat, and of fine flavor. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.50.

Worcester Pole (the finest Pole Shell Bean in cultivation). This variety, on account of its wonderful productiveness and superior quality takes first rank as a pole shell bean. The strain we offer is an especially fine one, being a selected stock. The long, thick pods are brilliantly colored with crimson-carmine and are borne in clusters. Unequaled for tenderness and delicious flavor. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.75.

Wax Podded Beans

Golden Cluster. One of the earliest wax pole beans. Vines large, strong, vigorous; pods, 6 to 8 inches long in clusters; thick and fleshy; bright golden yellow. Dry beans, white and nearly round. Pkt. 15c, 1 lb. 50c, 2 lbs. 85c, 7½ lbs. \$3.00.

Indian Chief (The Pole Black Wax). White, fleshy pods, not very long, and excellent as snap beans. Very tender and perfectly stringless. The best of the pole butter beans. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.50.

Dwarf Lima Beans

Burpee Improved Bush Lima. This is the earliest and largest of all the large bush limas, and about two weeks earlier than any of the other limas. Vines vigorous and productive. Pods very large, about 5 inches long, thick, and containing usually 4 beans, which are unusually thick, and of excellent quality. Pkt. 15c, 1 lb. 45c, 2 lbs. 85c, 7½ lbs. \$3.00.

Dreer's Bush Lima. A very early variety of bushy habit, growing from 1½ to 2 feet high. The thick, succulent pods are borne very profusely and each contains 3 to 5 beans. Very hardy. Pkt. 15c, 1 lb. 45c, 2 lbs. 80c, 7½ lbs. \$3.00.

Fordhook Bush Lima. This is the best type of bush lima bean in cultivation. It has a distinct upright growth. The pods, which are borne in clusters, well above the ground, frequently contain as many as 5 thick, luscious beans. It matures very early and continues in bearing until frost. Pkt. 15c, 1 lb. 45c, 2 lbs. 85c, 7½ lbs. \$3.00.

Henderson's Bush Lima. The earliest of all the bush limas and will continue to produce pods until frost. Beans small, of the Sieva type, and of excellent flavor. Of dwarf habit, attaining a height of about 18 inches. Pkt. 15c, 1 lb. 40c, 2 lbs. 75c, 7½ lbs. \$2.50.

Broad Windsor. An old fashioned English shell bean. Very hardy. 1 lb. 45c, 2 lbs. 85c.

POLE LIMA BEANS

Carpinteria Pole Lima. The most perfect pole lima bean in existence. The beans have a greenish tint, which they retain throughout the season. Very productive, and tender. Pkt. 15c, 1 lb. 40c, 2 lbs. 75c, 7½ lbs. \$2.50.

Dreer's Improved Pole Lima. One of the most productive varieties. Pods of good size, broad and thicker than the Large White Lima. Classed as one of the late maturing varieties, but will produce till cut down by frost. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.50.

King of the Garden Lima. The largest podded variety and very productive. Vines very vigorous, often producing pods 6 to 7 inches long, containing 5 or 6 large beans. Of fine flavor. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.50.

Sieva, or Small Lima. The popular small seeded lima. Very prolific, hardy and quite early. Will continue to produce crop throughout the season. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.50.

Siebert's Early Lima. Next to Early Jersey, the earliest of this class. Good sized pods, quite thin and bearing 3 to 4 large, tender beans of the finest flavor. Very hardy and productive. Pkt. 15c, 1 lb. 35c, 2 lbs. 65c, 7½ lbs. \$2.50.

BEETS

CULTURE. Sow in rows 12 to 15 inches apart, thin out to 4 inches in row; plant seed about 1-2 inch deep as early as ground can be worked. For late crop plant up to end of July. Beets like a deep, rich, sandy loam.

Crosby's Egyptian Special. This is the best extra early variety grown for this market. Very uniform in size and shape, a rich red color. Very sweet. Grown for us by the originator. Pkt. 10c, oz. 35c, ¼ lb. 85c, 1 lb. \$2.25.

Crosby's Egyptian. One of the best sorts for early planting. Very smooth with small top; color deep crimson; sweet and tender. Pkt. 10c, oz. 30c, ¼ lb. 75c, 1 lb. \$2.00.

Crimson Globe. A splendid variety of medium size, very handsome, with small top and small tap root; flesh deep crimson, tender and delicious. Pkt. 10c, oz. 20c, ¼ lb. 55c, 1 lb. \$2.00.

Detroit Dark Red Turnip Special. An excellent beet for medium and late planting, tops exceptionally small and upright. Color of skin, dark blood red; flesh bright red, sweet and tender. Pkt. 10c, oz. 20c, ¼ lb. 55c, 1 lb. \$2.00.

Early Eclipse. Very early; dark-red color; small top and free from fibrous roots. Pkt. 10c, oz. 20c, ¼ lb. 55c, 1 lb. \$2.00.

Edmand's Special. This variety is uniform in size. The flesh is deep blood red, and exceedingly sweet and tender. An excellent keeper. Pkt. 10c, oz. 20c, ¼ lb. 55c, 1 lb. \$2.00.

Beet Early Wonder. The most perfect model of an extra early round beet, small tap roots. Favorite with the market gardeners. Pkt. 10c, oz. 30c, ¼ lb. 85c.

Swiss Chard. Sometimes called Sea Kale Beet. The leaves are used like spinach, and the midribs of the leaves, are cooked and served like asparagus. Always very desirable. Pkt. 10c, oz. 20c, ¼ lb. 65c, 1 lb. \$1.75.

Swiss Chard Lucullus. A tall growing variety with crumpled leaves and thick succulent stems. Pkt. 10c, oz. 20c, ¼ lb. 60c, 1 lb. \$1.75.

Beets for Greens Only. Pkt. 05c, oz. 20c, lb. 50c.

Mangel-Wurzel and Sugar Beet

Beet Grown for Feeding Stock

An invaluable crop for stock feeding. Highly relished by cattle, resulting in improved health and condition, increasing the yield of milch cows. Sow from April to June, on well cultivated, deep, rich soil, in drills 24 to 30 inches apart; 6 to 8 pounds of seed are required per acre. Price of all varieties: oz. 10c, ¼ lb. 30c, lb. 75c.

Golden Tankard. The best long, yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Producing more to the acre than any other large sort.

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Very good on account of its nutritious and milk-producing qualities.

Norbiton Giant. A mammoth long, red variety, enormously productive, which keeps well; good for deep soils.

Sludstrup. A variety that grows in Denmark to great size and weight. The seed we offer is Danish grown, and Sludstrup has been repeatedly awarded the highest honors in Danish Agricultural Exhibitions. In color it is reddish yellow. An excellent keeper.

Vilmorin's Improved White. Contains the highest percentage of sugar. It is also valuable for stock.

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding.

BRUSSELS SPROUTS

CULTURE. A species of the cabbage family which produces miniature heads from the sides of the stalk. These heads are a great delicacy, boiled in the same way as cauliflower. The seeds should be sown under glass during April and transplanted to cold frame when large enough to handle and cultivated like cabbage. This vegetable does not require extremely high cultivation, however. It is ready for use late in Autumn, after the early frosts.

Long Island Brussels Sprouts. One of the surest and best varieties known, producing large, solid sprouts the entire length of the stalk. The flavor is all that the most exacting could desire. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00

CABBAGE

Early Varieties, Pointed Heads

One ounce will produce about 2,000 plants; one-quarter pound of seeds in beds will produce plants for one acre.

CULTURE. Start your early crop in hotbed in the middle of February. Cover seed about $\frac{1}{2}$ inch; transplant to cold frames as soon as plants are large enough, 3 or 4 inches each way. Remove glass for part of each day to harden plants. Plant out in open ground about the middle of April. For general crop sow in open ground in June in hills, 3 feet apart.

Charleston Wakefield. Similar in every respect to the Early Jersey Wakefield, excepting size. Much larger and just as early, characteristics recommending it strongly to the market gardener. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c., $\frac{1}{2}$ lb. \$1.25.

Early Jersey Wakefield. Probably the most extensively grown of the extra early kinds. Its superiority as regards firmness, sureness of heading, and keeping qualities recommend it as first class. Heads are very compact and of medium size. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c., $\frac{1}{2}$ lb. \$1.25.

Early Winnigstadt. Regular conical heads, very solid and firm. They keep well. Quite early and a sure header. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{2}$ lb. \$1.25.

Early Varieties, Round Flat Heads

Early Spring. Our strain of this variety is from extra selected stock, and we believe it to be unequalled by any other. It is the first early round-head cabbage, maturing about the same time as Jersey Wakefield. One of its chief claims to superiority is the remarkable uniformity of the heads. It is also very solid even when young, and has very small outside leaves. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{2}$ lb. \$1.25.

Early Summer. A fine all-round early variety, maturing about 10 days after the Early Spring. Very solid heads, of good size and excellent quality. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{2}$ lb. \$1.25.

Copenhagen Market. The earliest large, round-headed cabbage yet introduced. Heads of excellent quality, solid and of uniform size, maturing at the same time. Pkt. 10c, $\frac{1}{2}$ oz. 25c, 1 oz. 40c, $\frac{1}{4}$ lb. \$1.50.

Swcond-Early, or Main Crop Cabbage

All Round Flat Heads

All-Seasons. Very extensively used as a main-crop variety. Heads are very large and solid. Exceedingly sweet and tender. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{4}$ lb. \$1.25.

Brunswick (Selected Stock). Considered by many gardeners as the best of the second-early varieties. Valued for its compact habit, short stem, and large, solid head of the very finest quality. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c. $\frac{1}{4}$ lb. \$1.25.

Glory of Enkhuizen. Large solid heads of fine quality. Pkt. 10c, $\frac{1}{2}$ oz. 25c, 1 oz. 40c, $\frac{1}{4}$ bl. \$1.50.

Succession. A very popular variety in the vicinity of Boston for main or late crops. Has superior keeping qualities. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{4}$ lb. \$1.25.

Late or Winter Varieties

Danish Ball Head. Famous for its hard-heading qualities, which at once recommend it as highly valuable for shipping. The magnificent heads are round in form and keep in excellent condition. When buried during the winter, they come out in the Spring perfectly solid. Pkt. 10c, $\frac{1}{2}$ oz., 20c, 1 oz., 35c, $\frac{1}{2}$ lb., \$1.25.

Danish Round Head. A short stemmed type of the Danish Ball Head, of excellent quality producing solid, globe shaped heads. An excellent winter sort. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{4}$ lb. \$1.25.

Warren Stone-Mason. The most popular variety for market gardeners in this vicinity. Large size round, and a fine keeper. Exceedingly fine flavor. Pkt. 10c, $\frac{1}{2}$ oz. 25c, 1 oz. 40c, $\frac{1}{4}$ lb. \$1.50.

SAVOY OR CURLED LEAF

Globe Curled. The strain that we offer of this variety is one of the best. Finely curled leaves and of fine flavor. Used for fall crop and for winter. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{4}$ lb. \$1.25.

Drumhead Savoy. A large headed Savoy cabbage, combining the keeping qualities of the Drumhead with the fine flavor of the Savoy. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{4}$ lb. \$1.25.

Mammoth Rock Red. By far the best of the red or pickling cabbages. Pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c, $\frac{1}{4}$ lb. \$1.25.

CARROTS

One ounce will sow 100 feet of drill; three to four pounds required for acre.

CULTURE. April is the time to sow for early use. Sow seed in drills 12 to 15 inches apart, and thin out from 3 to 4 inches in drill, covering seed about $\frac{1}{2}$ inch. For general crop sow in May some distance apart as above but cover seed a little deeper, as sun is stronger. Perfect specimens require a fine, pulverized deep soil.

Chantenay Half-Long. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained. Pkt. 10c, 1 oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.00.

Danvers Half-Long. The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a first-class carrot for all soils, and valuable both for table and stock. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, 1 lb. \$1.50.

Danvers Half-Long (Special Strain). We have grown for us a special selection of this carrot by a market gardener. After years of careful attention to shape, color and productiveness for his own private use he has produced a variety as nearly perfect as possible. Our supply is limited. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, 1 lb. \$3.00.

Early Scarlet Horn. An excellent variety for early forcing. Grows with a small top, is very fine grained and of good flavor. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.00.

French Forcing. The earliest forcing variety. Roots globular, small, reddish orange in color, and of excellent flavor. Used largely in France. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.50.

Guerande, or Ox Heart. Especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. Tops comparatively small. Fine grained and sweet. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.00.

Long Orange, Improved. The best of the long carrots, especially for stock. Color bright orange, very heavy yielder. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, 1 lb. \$1.75.

Nantes Half-Long. The sweetest of all carrots. Roots are smooth and of a bright orange color, growing about 6 inches long, of the finest quality and is a heavy cropper. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.00.

Hutchinson Strain Danvers. The favorite Strain of Danvers for Massachusetts market gardeners. It fills the box quickly, always good color, always brings a good price. Our stock of seed grown by a market gardener for the market gardener. Pkt. 15c, oz. 40c, $\frac{1}{4}$ lb. \$1.75, 1 lb. \$6.00.

CAULIFLOWER

CULTURE. To raise good Cauliflower requires very high cultivation, more so than cabbage. Sow seed in hotbed in March and transplant into the garden in May. Cultivate as for cabbage, give plenty of moisture. One ounce of seed produces about 3000 plants.

Extra-Early Dwarf Erfurt. This variety is much in demand by market gardeners for a main crop. Its earliness, compact habit, large-sized heads, and snow-white color recommend it to every grower as a variety of especial merit. Pkt. 25c.

Early Snowball. A very early dwarf variety, producing splendid white heads of the finest quality. Can be planted 18 to 20 inches apart. Pkt. 25c, oz. \$3.50.

Danish Giant. An ideal variety for summer use as it will stand more drought and heat than any other kind. The heads are large snow white and solid. Pkt. 25c.

Autumn Giant. A strong growing late sort, with large white compact heads, should be planted not later than May. Pkt. 15c, oz. \$1.00, $\frac{1}{4}$ lb. \$2.50.

Cauliflower Plants for May, June and July delivery at lowest market prices.

CELERIAC

CULTURE. Sow in light, rich soil early in Spring; transplant in May in beds and water freely. When plants are full grown earth up the bulbs to a height of 4 or 5 inches. In a month they will be blanched. The roots will be ready in October and are used in soups.

Large Smooth Prague. An improved form of turnip-rooted celery, producing large, smooth roots, which are almost round. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

CHERVIL

One ounce will sow about 100 feet of drill

Curled. An aromatic herb, resembling parsley, and used for flavoring in soups and salads. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.25. Cultivate like parsley.

CELERY

One ounce will produce about 3,000 plants

One-half pound of seed sufficient to sow an acre

CULTURE. The proper time to sow is early in April, transplanting about the first of June. Set in rows 3 feet apart, and about 12 inches between plants in the row. Some gardeners trim off the tops a little,

while the plants are small, to make them more stocky. Keep down all weeds, and, as Fall approaches, draw earth up to the plants, keeping the stalks well together. This earthing-up is continued at intervals, until only the leaves appear above the soil. When well blanched, is ready for use. For Winter use it is usually placed in frames and covered with earth and litter or stored in cool cellars. Comparatively few soils are suited to Celery culture. Rich, mellow soils of a sandy nature are best, while soils that settle and become hard after rain are unsuitable. The seed, being very small, should be covered very lightly.

Boston Market. Unexcelled for tenderness and crispness. This variety has achieved an enviable popularity in the vicinity of Boston. Our strain of this celery is grown by a market gardener of Arlington. It is a splendid keeper. Pkt. 15c, oz. 85c, $\frac{1}{4}$ lb. \$3.00.

Giant Pascal. This is one of the most popular green-leaved varieties for Fall or Winter use. It is a good keeper, and has a fine flavor, and if properly stored, can be kept well into late Winter or early Spring. French grown seed. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.75.

Paris Golden (Self-Blanching). *For beautiful appearance and extreme earliness this variety is unexcelled.* Color rich golden yellow, tender and of fine flavor, and a fine keeper. Pkt. 10c, oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

Easy Blanching Celery. Will bleach as quickly as White Plume or Golden Self Blanching. Almost blight proof, quality excellent, fairly good winter variety if stored quite green. Pkt. 15c, oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

CHICORY

One ounce will sow a bed of four square yards

CULTURE. Sow in May or June in drills, thin out to 6 inches apart, treat as Endive until end of Summer, when it should be banked up like Celery. The blanched stalks are used as a salad. It is also used as a boiled vegetable, prepared in the same way as Cauliflower.

Witloof. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Large Rooted. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

CHIVES

Grown entirely for tops and are perfectly hardy. Give an excellent onion flavor to soups. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00. Roots per bunch 25c, 6 bunches \$1.50.

CORN SALAD, OR FETTICUS

One ounce will sow 20 feet square

CULTURE. It is generally sown in August or September. Sow quite thick about $\frac{1}{4}$ inch deep, thin out and keep clear of weeds. Protect in Winter by thin covering of straw or meadow hay. Ready early in Spring; use same as lettuce. For Summer use sow early in Spring.

Corn Salad (Lamb's Lettuce). The well-known common variety. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

CORN—Sweet or Sugar

One quart will plant 200 hills; one peck will plant one acre in hills.

CULTURE. Corn requires a mellow, loamy, well pulverized soil and frequent hoeings. Plant in hills 3 feet apart each way, dropping 5 or 6 kernels in each hill, or plant in rows 3 to 4 feet apart, and thin the plants out to 8 or 9 inches in the row. From the beginning of May until the middle of July successive planting can be made every 2 or 3 weeks, and by properly selecting the varieties a continued supply can be had until frost kills the plants.

Extra Early Varieties

Cory, Red Cob. One of the earliest and best extra early varieties. Ears are 8 rowed, medium size, with red cob. An excellent variety for market. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.00.

Mammoth White Cory. A very fine, large, early corn; ears double the size of the old Cory; the same pure white color. Has white cobs, thus giving fine appearance. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.00.

Early Metropolitan. By far the largest of the extra early varieties. Excellent flavor. Large kernels, 10 to 12 rows. Ears 8 to 10 inches long. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.00.

Peep-o'-Day. This corn has two valuable points,—extraordinary earliness and unsurpassed sweetness. It may be used for early or late planting with equal success; claimed to be the most prolific variety grown; can be raised under glass quite successfully. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.00.

Pocahontas. Is one of the earliest varieties, similar to the White-Cob Cory; ears are large, evenly and compactly filled with tender white kernels of very fine quality. Pkt. 15c, 1 lb. 20c., 2 lbs. 35c, 12 lbs. \$2.00.

Medium Earlies

Black Mexican. When in condition for the table it cooks white, but the grain when ripe is black. Ear rather small, grain very sweet and tender. Pkt. 15c, 1 lb. 20c, 2 lbs. 40c, 12 lbs. \$2.25.

Crosby's Early. A most excellent variety of fine quality. Ears, $5\frac{1}{2}$ to 6 inches long. Sweet and tender. Pkt. 15c, 1 lb. 25c, 2 lbs. 40c, 12 lbs. \$2.25.

Early Golden. Ripens with the Early Crosby; grows about $5\frac{1}{2}$ feet high, having 2 or 3 good ears on a stalk. Usually 8 to 12 rows of golden yellow kernels. Pkt., 15c.; 1 lb. 25c.; 2 lbs. 40c.; 12 lbs. \$2.25.

Concord's Bearsfoot. One of the best medium earlies for general crop. A favorite with the market gardeners. A great yielder; ears of good size and very sweet. Pkt. 15c, 1 lb. 25c, 2 lbs. 40c, 12 lbs. \$2.25.

Golden Bantam. A popular variety, extra early, tender and very sweet. Pkt. 15c, 1 lb. 25c, 2 lbs. 40c, 12 lbs. \$2.25.

Gold Coin. In our estimation the best yellows weet corn ever catalogued. 10 days later than Golden Bantam, with ears and stalks almost double the size. Very prolific and of delicious flavor. Pkt. 25c, 1 lb. 35c, 2 lbs. 60c, 12 lbs. \$3.00.

Moore's Concord. Large, handsome, 14-rowed ears, produced very low in the stalk; is of good quality, large yielder, and excellent keeper. Pkt. 15c, 1 lb. 25c, 2 lbs. 40c, 12 lbs. \$2.25.

Potter's Excelsior. The richest flavored and the sweetest of all the medium early varieties. Large, 12-rowed ears with deep kernels. Ripens fairly early. One of the finest sugar corns for the table. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.00.

Late Varieties

Country Gentleman. A distinct sort, with deep, fine grains, which are staged irregularly on the cob. Quality is excellent. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.00.

Stowell's Evergreen. The standard main crop variety, much used for the home garden, market, and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Pkt. 15c, 1 lb. 20c, 2 lbs. 35c, 12 lbs. \$2.25.

CRESS OR PEPPERGRASS

One ounce will sow sixteen square feet

CULTURE. Can be sown at any time in hotbed, coldframe or outside, according to the season. Cover seed about $\frac{1}{4}$ inch and sow thickly. Sowing can be made every few days, as it soon runs to seed.

Extra Curled. The most popular variety for market. Excellent flavor. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 35c.

CUCUMBER

One ounce will plant about 50 hills; one and one-half pounds to one acre

CULTURE. For very early use seed may be started in heat and the plants set out in May. Pieces of inverted sod are an excellent medium for starting and growing early cucumber plants, as they can be readily lifted from the hotbed to the garden without disturbing the young plants growing upon them. For main crop, plant in hills 4 feet apart, at the end of May. Make the hills rich with well-rotted manure, and keep the young plants safe from the striped bug by dusting with dry plaster or powdered hellebore. Leave 4 strong plants to each hill. For pickles, plant during June and July.

Arlington White Spine (for forcing). This variety is one of superior quality for forcing. Color is dark green, with very little of the white spine showing. It is extra long. Fruit grows very even in size and regular in form. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Boston Pickling. This is a very productive variety that is extensively grown for pickles. The vines are vigorous. The flesh crisp and tender. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring 10 to 12 inches on the average. It is dark green all over and is quite smooth and productive. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Early Cluster. An early and very productive variety. Bearing fruits in clusters of 2 or 3 of a bright green color. Crisp and tender, used for slicing as well as pickling. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Early Frame. It is very early. Crisp and tender, used extensively for pickles. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Early Russian. The earliest cucumber that we know of. Valuable for pickles. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Improved Long Green, or Jersey Pickling. The standard variety for pickling. Dark green, productive, tender, crisp, and of fine flavor. Uniform in size. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Improved White Spine. The market gardener's favorite for field culture. It is one of the best sorts for the table, on account of its color, which seldom changes to a yellow, even when kept long after being picked. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Japanese Climbing. Cucumbers are thick, exceedingly tender and of delicious flavor. Flesh pure white. Skin dark green, turning brown, and netted when ripened. Vines are vigorous and throw out strong, grasping tendrils, which enable them to climb a trellis or any suitable support. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

West Indian Gherkin or Burr. Used exclusively for pickling. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

DANDELION

One ounce will sow 100 feet of drill; one and one-half to two pounds will sow one acre

CULTURE. Sow as early as the season will allow, in good, well-manured ground, in rows 12 inches apart. Cover seed $\frac{1}{4}$ inch deep and press down soil after sowing. Thin plants to 3 inches in row; by so doing the roots will be larger and time will be saved next Spring in gathering the crop.

Improved Thick-Leaved. Cultivated for Spring greens; an immense improvement on the common dandelion, both in size and thickness of its leaves and fine flavor. Pkt. 20c, oz \$1.00, $\frac{1}{4}$ lb. \$3.25.

EGG PLANT

One ounce will produce about 1,000 plants

CULTURE. Sow early in March in hotbed, transplant to 4 or 6 inches apart. Plant out in open ground about May 20th, 2 feet apart in row and 3 feet between rows. Eggplants are very tender and will not stand frost.

Black Beauty. An early variety with fruit nearly as large as the later sorts. Fruit nearly round. Skin smooth, black and glossy. Pkt. 15c, oz. 85c.

New York Improved. More largely grown for market than all other varieties. Its color is deep purple. It is very large in size, fine in quality, and an excellent keeper. Pkt. 15c, oz. 85c.

ENDIVE

One ounce will sow 150 feet of drill

CULTURE. Sow in May for early use about $\frac{1}{4}$ inch deep in rows 10 to 12 inches apart; thin out plants to 8 inches in row. Before using, plants require to be blanched, which is done by gathering the outer leaves to a point and tying with soft twine or raffia. For late use, sow up to last of June.

Broad Leaved Batavian (Escarolle). A variety having broad leaves, more or less twisted and waved, a bright, deep green in color. Unsurpassed for salads. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

Green Curled. A hardy, vigorous growing variety with bright, deep-green leaves. Highly esteemed, and much used for salads. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

Moss Curled. Plants compact growing, finely curled. One of the best Autumn, Winter or Spring salads. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

FENNEL

Florence, or Naples. Resembles Celery in flavor, but has a sweet taste and delicate odor. Should be sown in Spring in drills 18 inches apart and the plants should be thinned to 5 or 6 inches apart. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

HORSE-RADISH ROOTS

Plant the roots in May, small end down, with top 1 inch below the surface, in rich, well-cultivated soil. Roots ready to pull in October. Doz. plants 35c, 100 plants \$2.00, 1000 plants \$15.00.

KALE

CULTURE. For Spring use sow in September and protect during Winter with covering of straw. For Fall use sow in May or June, cover seed $\frac{1}{2}$ inch deep. Transplant in rows 3 feet apart and 2 feet apart in row. Kale is improved by a little frost, giving it a more delicate flavor.

Dwarf Green Curled Scotch. Beautifully curled, bright green leaves, tender, and of fine flavor. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c.

Siberian, or German Greens (Sprouts). A very hardy variety. Popular with the market gardeners; very fine curled. Should be sown in September in rows, 1 foot apart, for Spring greens. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Tall Curled Scotch. Leaves are bright green, exceedingly fine curled, tender, and of fine flavor. Very hardy. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

KOHL-RABI

CULTURE. For early use sow in March or April in hotbed, or in the open ground in May. Cover seed $\frac{1}{4}$ inch deep, transplant into rows 2 feet apart with plants 6 inches apart in rows.

Early White Vienna. Extremely early with distinctly small tops. Bulbs of medium size, very light green or nearly white, and of best quality. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Early Purple Vienna. Very early with small tops, the leaf stems being tinged with purple. Bulbs of medium size, purple. Flesh, white. Desirable for forcing and early outdoor planting. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

LEEK

CULTURE. For best results sow as early as the ground can be worked in Spring, in rows 1 foot apart. Cover seed about 1 inch deep, transplant when plants are about 6 inches high in rows 6 inches apart; plant as deep as possible so that the neck, being covered, may be blanched. Ground should be made very rich.

London Flag. This variety is hardy, of good quality, and is extensively cultivated in this country. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Large American Flag. A variety similar to but larger than the London Flag; very popular with some market gardeners. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Monstrous Carentan. The largest variety, often 3 inches in diameter. It becomes very white and tender. An exceptionally hardy and desirable sort. Pkt. 10c, oz. 30c.

LETTUCE

CULTURE. For Winter use sow in greenhouse or hot-bed and cover seed very lightly. Transplant first to 3 inches apart and then to 8 inches. For outside use sow in rows, covering seed $\frac{1}{4}$ inch, the rows 18 inches apart, then thin out plants to 8 inches in row.

All Seasons. Well adapted for growing in Summer, for which it is principally used. Globular shaped, well blanched heads, which stand long before going to seed. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Big Boston. A most desirable variety, either for forcing in cold-frames or open ground planting; always produces large, solid, salable heads. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 75c.

Boston Curled. A superior strain, of great beauty and fine quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c.

Black-Seeded Simpson. Light colored heads of good size. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c.

Black-Seeded Tennisball. A favorite with the market gardener. Heads are well formed, hardy, and crisp. Excellent flavor. One of the earliest heading varieties. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Early Curled Simpson. Loose heads, curly, and very early. Pkt 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Grand Rapids. An excellent forcing variety with loose heads of good size and form. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Hanson. An excellent plain leaf with large, solid heads. Fine flavor. Tender and crisp. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c.

Iceberg. Large, solid heads, handsome, tender and crisp. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c.

May King. A recent variety of great value on account of its extreme earliness, large size, and tenderness. Will head with heat as well as out-of-doors, though attains a better size with open-air culture. Has a globular shaped head of enormous size, hard, and well closed. A decided acquisition. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Mammoth Black-Seeded Butter. The largest and by many considered the best variety for the late crop. Sown from middle of July to middle of August, and produces enormous, finely formed heads of the finest quality. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

New York, or Wonderful. Very large and solid. The inner portion is a beautiful white, the outer leaves dark green. Does remarkably well through the Summer months. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Prize Head. This popular variety produces large, loose heads of finely crimped and fringed leaves tinged brown. Exceedingly crisp, sweet, and tender. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c.

Salamander. A large, compact, light green head of excellent quality. A fine hot weather lettuce. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c.

White-Seeded Tennisball. Extensively grown for forcing and heading under glass. Heads firm and good size; very white and crisp. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c.

Cos Lettuce

Trianon Self-Closing. An upright, quick growing sort, self blanching, large, very crisp, and of superior flavor. This is the best of the Cos varieties. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c.

Paris White. Very light colored leaves, and exceedingly tender. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c.

Lettuce Plants. Delivery from May to September.

MARTYNIA

CULTURE. Sow in hot bed in March for early use; for outside use sow in April or May, cover seed about $\frac{3}{4}$ inch; plants require a space of 3 feet each way, as they are of a branching nature. Pods used for pickling.

Martynia Proboscidea. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.25.

MUSTARD

CULTURE. For early use sow in hotbed in March, and for general use at intervals, during the Summer, in rows 6 inches apart and thick in row. Cut when not over 2 inches high.

White London. Considered the best for salads and spinach. Leaves are light green. It is best when about 4 inches high. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c.

MUSKMELON

CULTURE. Do not plant until all danger from frost is over, in hills 6 feet apart each way. Put a dozen seeds in a hill, and when danger from bugs is over thin to 3 or 4 plants. Pinch main stems, which will strengthen the vine, and the fruit will come earlier. Use pyrox or arsenate of lead to kill the bugs.

Green-Fleshed Varieties

Bay View. A standard variety. Fruit large, oblong, heavily ribbed, and netted. Flesh light green and of good flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

Early Hackensack. An improvement over the old Hackensack, producing melons of as good quality and ten days earlier. Large fruit, with thick, green flesh of the finest flavor. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c.

Montreal Market, Improved. This is a very large melon, with deep, pale green flesh of excellent flavor. Pkt 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Rocky Ford. Fruit oval, slightly ribbed, densely covered with fine netting. Flesh thick and very sweet. Medium size and an excellent shipper. We offer an exceptionally fine strain of this valuable variety. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Honey Dew. Large size, nearly round, flesh green and of a delicious honey flavor. Is a fine keeper, and ships well. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c.

Salmon or Orange-Fleshed Varieties

Banana. So called on account of its shape. Salmon colored flesh. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Burrell's Gem. Grows uniform in size and weight. Flesh golden and very thick, fine grained, excellent quality. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Emerald Gem. Small, round extra, early, very sweet, orange flesh. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Miller's Cream, or Osage. One of the best keeping of the salmon flesh varieties, and, therefore, valued highly for shipping. Dark green skin, slightly netted. Flavor delicious. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c.

Melons for Forcing

Green Fleshed Varieties. Royal Sovereign, Royal Jubilee, Sutton's Superb.

Scarlet Fleshed Varieties. Blenheim Orange, Sutton's Superlative, Invincible Scarlet. All 50c per package.

WATERMELON

Prices on all varieties of Water Melons as follows: Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c.

Citron for Preserves. The old and well-known Preserving Citron; seeds red

Cole's Early. This is one of the earliest melons, and a very hardy, sure cropper, flesh dark red.

Mountain Sweet. Old, but still the standard of excellence for quality. Fruit long and very dark green.

Phinney's Early. This is one of the earliest varieties. Melons medium size, oblong, smooth and very sweet and tender.

ONIONS

CULTURE. Select a clean rich piece of land. Scatter broadcast a heavy dressing of well-rotted manure, and plough 6 to 7 inches deep as early in the spring as the ground can be worked. Sow about 4 pounds of seed per acre, in hills 1 foot apart and $\frac{1}{2}$ of an inch deep, pressing the soil firmly on them. Cultivation should be shallow and frequent. One ounce will sow 100 feet of drill.

Red Varieties

Red, Flat, Extra Early. Usually comes about 2 weeks earlier than the Large Red Wethersfield, of medium size, and an abundant producer. Uniform in shape. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Red Globe, Southport. Flesh, fine grain, mild, and tender; matures quite early; good size; skin, deep red. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 75c.

Red Wethersfield, Large. This is the standard red variety, large size. Skin, deep purplish red. Smooth and glossy flesh, white, lightly tinged with pinkish rose. The large solid onions keep well for late Winter markets. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c.

White Varieties

White Globe, Southport. A large globe-shaped onion. A popular market variety, an enormous yielder, and good keeper. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

White Portugal, or Silver Skin. Very desirable for family use. Mild in flavor. Skin, silvery white, of handsome appearance. Not a good keeper. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.00.

Yellow Varieties

Ailsa Craig. The largest of all onions. Fine straw color, mild flavor, and a good keeper, used extensively for exhibition purposes. Pkt. 25c, oz. \$1.00 $\frac{1}{4}$ lb. \$3.50.

Danvers Yellow Globe (Special Strain). We make a specialty of this variety, and our seed is grown from as fine and perfect a selection as possible, thereby producing a strain that for uniform shape, heavy cropping, and superior keeping qualities cannot be equaled. The seed we offer of this strain is from a market garden in Danvers, Mass. Pkt. 15c, oz. 40c, $\frac{1}{4}$ lb. \$1.35.

Danvers Yellow Globe. An excellent strain of the aforementioned grown by one of our best New England growers. Sure to give satisfaction. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 75c.

Prizetaker. Large yellow onion of a mild flavor. Flesh is pure white, fine grained. Excellent for Fall or early Winter. Keeps well. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Yellow Globe, Southport. An excellent onion for the market. Largely grown in Connecticut by market gardeners and increasing in favor in this vicinity. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 75c.

ONION SETS

Prices subject to market changes

By planting sets, onions may be had much earlier than from Spring sown seed. To obtain large onions, sets should be planted 3 to 4 inches apart in rows 1 foot apart, as soon as the frost is out of the ground.

White Sets. Per lb. 35c, 8 lbs. \$2.50.

Australian Brown. Per lb. 40c, 8 lbs. \$2.75.

Yellow. Per lb. 35c, 8 lbs. \$2.25.

OKRA, OR GUMBO

CULTURE. The young seed pods are used in soups, stews, cat-sups, etc. Highly esteemed in the South. After danger of frost is past, the ground being warm and in good condition, plant in rows about 2 $\frac{1}{2}$ feet apart, covering with about 1 inch of fine soil firmly pressed down. When about 3 inches high, thin to about 1 foot apart in the row. Cultivate and keep free from weeds. The pods are in best condition for use when 1 to 3 inches long.

Perkins' Mammoth Podded. A wonderful dwarf type, setting pods when only a foot high. It can be planted somewhat earlier than other sorts, and consequently will mature sooner. Pkt. 5c., oz. 10c, $\frac{1}{4}$ lb. 30c.

White Velvet. The pods of this variety are very free from ridges, being almost perfectly smooth. They are tender, and very light green, almost white, in color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

Dwarf Green Improved. A very desirable sort, immensely productive, bearing very long pods, well filled. It is somewhat later than the Perkins' strain, and the pods are not quite so great in diameter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

PARSLEY

One ounce will sow 100 feet of drill

CULTURE. Parsley seed germinates very slowly, taking 2 to 4 weeks to come up; hence, if wanted early, no time should be lost by

delaying the sowing. Make the rows 12 to 14 inches apart. Thin to 3 or 4 inches apart, or transplant at this distance.

Champion Moss Curled. Leaves are of an exceedingly dark green color, very finely curled, making it most attractive for garnishing, while the plant itself looks very pretty as a garden border. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Fern Leaf. Leaves are longer and darker green than the curled varieties; very hardy. Excellent for seasoning. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Hamburg, or Rooted. A rooted variety, of which the roots are the portion used; good in flavoring soups and stews. Pkt. 10c, oz. 25c $\frac{1}{4}$ lb. 75c.

PARSNIPS

One ounce will sow 100 feet of drill

CULTURE. Sow in Spring, as soon as the weather will permit, in rows 18 inches apart. Cover seed $\frac{1}{2}$ inch deep; thin out to 5 inches apart in row when plants are large enough. A little frost improves the flavor.

Long Smooth. Private Stock. For deep soil and keeping in ground over Winter this is the best variety. It is a large yielder. Roots are very long, exceptionally smooth, with a full crown. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Guernsey, Improved. A remarkably fine strain of Guernsey parsnip, noted for its heavy cropping and superior quality. Roots, half-long, hicker than Hollow Crown, very smooth, and fine grained. Pkt. 10c, oz. 25c, $\frac{1}{2}$ lb. 75c.

Hollow Crown. Medium length roots, very smooth, and of the finest quality. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

GARDEN PEAS

CULTURE. Smooth, round-seeded varieties for early crops; should, be sown as early in the Spring as the ground can be worked; the sweeter wrinkled sorts from the middle of April until July. Sow in rows 3 feet apart, 3 inches deep, using of the smooth, round-seeded sorts 1 quart to 100 feet of drill; of the wrinkled sorts 1 quart to 80 feet.

All marked thus (*) indicate wrinkled varieties.

**INOCULATE THIS
SEED WITH
FARMOGERM**

Extra Early Varieties

Alaska, or Clipper. A well-known and extensively used sort. Vines grow about 30 inches high and are covered with well-filled pods about $2\frac{1}{2}$ inches long. Peas are round, blue in color, and slightly pitted. Pkt. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50.

Ameer. A very large-podded early pea, following the Alaska, It is a heavy cropper; height, $2\frac{1}{2}$ feet. Pkt. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50.

American Wonder. An old variety, but still highly prized for its flavor and quality. Of dwarf, robust habit, growing 12 to 15 inches in height, and bearing an abundance of good-sized, well-filled pods. Pkt. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50.

***Early Morn.** One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thomas Laxton. The pods are large and well-filled and mature in about 60 days. It is very prolific. Height, 3 feet. Pkt. 20c, 1 lb. 40c, 2 lbs. 70c, 7 lbs. \$2.25.

***Gradus, or Prosperity (the largest Podded Early Pea).** A variety of great merit that has become wonderfully popular the past few years on account of its enormous pods, earliness, and delicious flavor. Of very vigorous habit, and productive to a marked degree. Invaluable for home or market garden. Height, about 3 feet. Pkt. 20c, 1 lb. 40c, 2 lbs. 70c, 7 lbs. \$2.25.

***Laxtonian.** One of the earliest dwarf peas. Vines are vigorous, growing about 18 inches high, well covered with large, even-sized pods averaging 8 to 9 to a vine and 9 to 10 peas in a pod. Quality of the best. Pkt. 20c, 1 lb. 40c, 2 lbs. 75c, 7 lbs. \$2.40.

***Little Marvel.** It grows about 15 inches high. Pods average $2\frac{1}{2}$ inches in length, well filled with 6 to 9 large, deep green peas of excellent flavor. Pkt. 20c, 1 lb. 40c, 2 lbs. 75c, 7 lbs. \$2.35.

***Nott's Excelsior.** A deservedly popular variety. An enormous yielder, with the very choicest flavor. Pods well filled with 6 to 8 peas, packed very closely together. Valued highly for the home garden. Pkt. 20c, 1 lb. 35c, 2 lbs. 65c, 7 lbs. \$2.00.

Blue Bantam. The dwarf, vigorous vines average fifteen inches in height and carry enormous crops of large deep bluish green pods. The handsome pointed pods, usually borne singly, measure four to four and one-half inches long and are considered one of the best flavored. Pkt. 20c, 1 lb. 40c, 2 lbs. 70c, 7 lbs. \$2.25.

***Sutton's Excelsior.** This wrinkled variety is quite hardy and can be planted very early. It is dwarf, growing about 16 inches, and making a long broad pod, well filled of good quality. Pkt. 20c, 1 lb. 35c, 2 lbs. 65c, 7 lbs. \$1.90.

***Thomas Laxton.** The only rival of the famous Gradus. Extremely early, wrinkled pea, long pod. In some respects we consider it better than the Gradus. Pods are of a deep, rich green. Peas very sweet and deep green in color. Pkt. 20c, 1 lb. 35c, 2 lbs. 65c, 7 lbs. \$2.00.

Medium Early

***McLean's Advancer.** A variety that has stood the test of years and is still in popular favor. Noted for its great productiveness, hand-

some pods, and delicious flavor. Pkt. 20 lb. 30c, 2 lbs. 55c, 7 lbs. \$1.65.

***Duke of Albany, or American Champion.** Very good. Large pods and peas of finest quality. Medium late, 3 feet. Pkt. 20c, 1 lb. 35c, 2 lbs. 65c, 7 lbs. \$2.00.

Late or Main Crop

***Admiral Dewey.** A vigorous growing, late variety, with large, dark green pods, well filled with peas of excellent quality. Height, 4 feet. Pkt. 20c, lb. 40c, 2 lbs. 70c, 7 lbs. \$2.25.

***Alderman.** Unexcelled for shipping. Market gardener's favorite. A large-podded, late, wrinkled variety of vigorous growth, 3½ to 4 feet high; very productive. Pods 4 to 5 inches long, well filled with large peas of excellent flavor. Pkt. 20c, lb. 40c, 2 lbs. 70c, 7 lbs. \$2.25.

***Champion of England.** Of the late varieties this is one of the very best and exceedingly productive. Grows 4 to 5 feet. Universally admitted to be one of the richest, best-flavored peas grown. Pkt. 20c, lb. 35c, 2 lbs. 65c, 7 lbs. \$2.00.

***Dwarf Telephone (Carter Daisy).** Similar to the Tall Telephone, except in the height of the vine, which is only about 2 feet. Pkt. 20c, lb. 40c, 2 lbs. 75c, 7 lbs. \$2.40.

***Everbearing.** Very prolific vine, growing 2½ feet high. Pods 2 to 3 inches long, well filled with large peas of excellent quality. Pkt. 20c, lb. 35c, 2 lbs. 65c, 7 lbs. \$2.00.

***Quite Content.** From our trials of this pea we believe it to be the largest pea grown. A main crop variety, 5 ft. foliage and pods rich dark green, pods measure 6 to 7 inches, usually borne in pairs, and of a delicious flavor. Pkt. 20c, lb. 60c, 2 lbs. \$1.10.

***Stratagem, Improved.** Immense pods containing an abundance of good, large, tender peas; seed wrinkled; height, 20 inches. Pkt. 20c, lb. 35c, 2 lbs. 65c, 7 lbs. \$2.00.

***Telephone.** The finest late wrinkled pea grown; exceedingly sweet and abundant producer; height, 3½ feet. Pkt. 20c, 1 lb. 40c, 2 lbs. 70c, 7 lbs. \$2.00.

***Yorkshire Hero.** A hardy and productive pea for late use, being almost entirely free from mildew. Pods are broad and well filled with peas of fine quality. Height, 3 feet. Pkt. 20c, 1 lb. 30c, 2 lbs. 55c, 7 lbs. \$1.65.

Edible-Podded Peas

Mammoth Melting Sugar. Vines grow about 4 feet high. Very productive. Pods average 5 to 6 inches in length and 1½ inches in width. Use same as string beans. Pkt. 20c, 1 lb. 40c, 2 lbs. 75c, 7 lbs. \$2.25.

PEPPERS

One ounce will produce about 2,000 plants

CULTURE. Sow in hotbed in March or April; transplant in open ground when all danger from frost is over, in rows 3 feet apart and 2 feet apart in a row. Seed can be sown outside late in May. Cover seed ½ inch and thin as above.

Cayenne. Small, red, cone-shaped pods. Very strong, and used largely for making pepper sauce. Pkt. 10c, oz. 75c, ¼ lb. \$1.75.

Chinese Giant. Very large, flesh unusually thick, flavor very mild. Color bright red. Pkt. 15c, oz. \$1.00, ¼ lb. \$3.25.

Large Bell, or Blue Nose. A favorite and well-known pickling sort. It is early, large, mild, and thickened skinned. Pkt. 10c, oz. 50c, ¼ lb. \$1.75.

Neapolitan. An excellent market variety on account of its earliness and productiveness. Fruit of large size, color light green, changing to bright red when ripe. Pkt. 10c, oz. 75c, ¼ lb. \$1.75.

Pimento. Desirable for salads or for stuffed peppers. Medium size, thick flesh, mild flavor. Pkt. 10c, oz. 75c, ¼ lb. \$1.75.

Sweet Italian. A superb variety of exceedingly mild flavor. It is 6 to 7 inches in length and 2 to 3 inches thick at the base. Very handsome in appearance, light green before turning red. Often used in the green state. Pkt. 10c.

Sweet Mountain, or Mammoth. Large and mild flavored, glossy red, with thick and fleshy rind. A well-known standard sort, popular with all growers for market. Pkt. 10c, oz. 85c, ¼ lb. \$2.00.

Squash, or Pickling. Best for pickling; very hot, of medium size, thick and almost round. Pkt. 10c, oz. 85c, ¼ lb. \$2.00.

Pepper Plants. Delivery May and June.

PUMPKINS

One ounce will plant 25 hills) 4 to 6 pounds for an acre

CULTURE. Plant any time after the ground has become permanently warm, about 4 seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines they may be pinched back somewhat, and if large specimens are desired leave but one or two pumpkins on a vine.

Connecticut, or Common Field. Shape, almost round; fruits produced in great abundance; flesh coarse, and suitable only for stock feeding; light color. Pkt. 5c, oz. 15c, ¼ lb. 50c.

King of the Mammoths. The largest of all pumpkins. Pkt. 10c, oz. 25c, ¼ lb. 75c.

Large Cheese. A very large flat, ribbed fruit, of a beautiful buff yellow color. The interior is of fine quality. An enormous producer, ideal for market or home gardens. Excellent for canning purposes. Pkt. 10c, oz. 25c, ¼ lb. 70c.

Nantucket Sugar, or Negro. Skin, very dark green, almost black; flesh, thick, and rich orange yellow. Excellent keeper. Pkt. 10c, oz. 25c, ¼ lb. 75c.

Small Sugar. Fine grain, sweet, excellent keeper. Skin, deep orange yellow. Pkt. 5c, oz. 15c, ¼ lb. 50c.

Winter Luxury. Medium size, productive, and an excellent keeper. Color of skin, russet, finely netted. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

**INOCULATE YOUR PEAS AND BEANS WITH
FARMOGERM TO INCREASE YOUR CROP
ALL OUR SEEDS ARE TESTED FOR GERMINATION
BEFORE BEING SHIPPED**

Potatoes

Prices Subject To Change Without Notice.

Special quotations on large lots

The Potato must have well drained soil. Freshly turned pasture land produces the best crop. Make furrows 3 feet apart and of good depth, use liberal dressing of fertilizer. Set seed about 10 inches apart in the rows, and cover with two inches of soil. Cultivate as soon as plants are well up. Sow 10 to 12 bushels per acre. Price of all varieties as follows except where otherwise priced. 15 lbs. 60c, 60 lbs. \$2.00, 120 lbs. \$3.75.

Early Varieties

Early Rose. The popular standard early variety. Skin, red and white; uniform in size and very productive.

Irish Cobbler. A fine extra early sort, producing plump, handsome tubers of good size and excellent quality. The tubers are a beautiful creamy white with strong, well-developed eyes, slightly indented. A popular variety.

Second Early

Beauty of Hebron. A popular variety extensively grown for Winter use. The tubers are smooth, white, slightly tinged with pink, and of superb flavor.

New Queen. A grand potato, resembling Beauty of Hebron in color, size, and shape, but much earlier and more prolific, with few small tubers. The quality is excellent, the flesh being pure white and of the dry, mealy texture so much desired in a table potato.

Late Varieties

Clyde. This variety resembles the Green Mountain, having the same heavy vine of a dark green color. The tubers are white, oval in shape, and set closely in the hills. Their quality is unexcelled.

Gold Coin. Splendid variety of vigorous growth and very productive. The tubers are of good size, with small eyes and thin skin. The flesh is white and of fine flavor.

Green Mountain (certified stock). This is unsurpassed for main crop. The tubers are white, of flat oval shape, smooth, handsome, and of excellent quality. It is a heavy cropper, small tubers seldom being present. Per bus. \$3.00, 120 lbs. \$5.00.

Norcross. A valuable late variety, growing a thrifty upright top with large leaves. It is above the average in withstanding blight. The tubers are large, oval, perfect in shape, and of excellent table quality.

RADISH

One ounce will sow about 100 feet of drill

CULTURE. Sow in the open ground as soon as it can be worked, at intervals of 10 days for a succession as long as wanted. Sow in hotbed or greenhouse in Winter.

Crimson Giant Forcing. Grows to a large size without becoming pithy. Excellent for forcing. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Early Scarlet Globe. A very popular variety with the market gardener, for forcing, and for early outdoor planting. The best shape, brightest scarlet. Tender and crisp. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Early Scarlet Turnip. A well-known and popular variety. Small. top of quick growth. Mild and crisp. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Early Scarlet Turnip White Tip. Very deep scarlet, with white tip. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Giant White Strasburg. Roots pure white, oblong and mild flavor. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

French Breakfast. Oblong shape, rapid grower, very mild and tender, of a beautiful scarlet color, tipped with white. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Giant Stuttgart. Root, large, mild crisp and tender. A good winter variety. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Long Scarlet. Short top. The standard variety of the long sorts, used either for forcing or open culture. Six or seven inches long. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Icicle. Grows 3 to 4 inches long; matures in 25 days after sowing. Is the most transparent of any radish. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Winter Radishes

Long Black Spanish. One of the latest and hardiest long radishes, especially adapted for Winter use. Good flavor crisp, and keeps well. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Round Black Spanish. A round form of above. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Rose China Winter. Of rather conical form and very smooth. A beautiful rose color. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

RHUBARB

CULTURE. This can be grown from seed as well as roots. Seed should be sown outdoors in April in rows 3 feet apart; the following Spring they should be transplanted into permanent beds. Do not cut until second year.

Linnaeus. Early, large, and tender. Pkt. 10c, oz. 23c, $\frac{1}{4}$ lb. 75c.

Victoria. Very large; later than Linnaeus. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Rhubarb Roots. Each, 15c, doz. \$1.50.

SALSIFY, OR OYSTER PLANT

One ounce will sow 50 feet of drill

CULTURE. Sow the seed in light, deep soil, early in the Spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 4 or 5 inches. The roots will be ready for use in October, when a supply should be taken up and stored, like carrots. If left in the ground till Spring, dig as early as possible.

Mammoth Sandwich Island. We consider this the largest and most profitable salsify in cultivation; roots are two to three times the size of the ordinary salsify and of more agreeable flavor. It is pure white in color and invaluable to market gardeners. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

SPINACH

One ounce will sow 50 feet of drill; twelve to sixteen pounds will sow an acre

CULTURE. Spinach may be grown on any ordinary soil, and its cultivation is a very simple matter. It is grown both as a Spring and Summer crop. For early use, sow in August or September, in drills 12 to 14 inches apart. At the approach of cold weather cover lightly with straw, or any handy litter. Uncover when the plants begin to make a new growth in the spring. For Summer use, sow early in the Spring.

Giant Crumpled Leaf. It is the market gardener's favorite, for either Fall or Spring sowing. Produces large, thick, dark green leaves, somewhat crumpled, and has the quality of standing a long time. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.

Long Standing. An excellent sort for Spring planting, as it will stand longer than other kinds without going to seed, though it is not so early as Thick-Leaf. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Monstrous Viroflay. Large, thick, dark green leaves. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

New Zealand. A valuable variety for the garden, as it produces the thick, tender leaves throughout the Summer. Grows very large and luxuriantly in warm, rich soil. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.

Prickly, or Fall. Seed is prickly and triangular; oblong, arrow-shaped leaves. Especially useful for Fall sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

Round Thick-Leaf. The popular variety for either Spring or Fall. Large, thick, dark green leaves, somewhat crumpled, which will stand quite a long time. Our strain of this is as pure as can possibly be had, and we can confidently recommend it to market gardeners. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Savoy Leaved (Bloomsdale). Leaves very large, tender and crumpled. Very productive. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Triumph. Very hardy, large, thick, fleshy, dark green leaves; excellent for Summer use. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Victoria. Deep green, heavy, crumpled leaves of remarkably fine texture. Rather late and long standing. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SQUASH

Early varieties, one ounce sufficient for 50 hills

Late varieties, ounce for 20 hills; four to six pounds to acre

CULTURE. Squashes should not be planted until all danger from frost is past. They delight in a warm, thoroughly pulverized, very rich soil. Plant in hills in May, mixing with the soil in each hill a shovelfull or two of rotted manure. Summer varieties should be planted in hills 5 to 6 feet apart each way. Late varieties in hills 8 to 10 feet apart each way. Put 8 to 10 seeds in a hill, and when well grown thin out, leaving 2 or 3 strong plants to a hill.

Early Summer Varieties

Cocozello. Vines of bush habit, producing large, much elongated fruits, dark green at first but as they mature becoming marbled with yellow and lighter green in stripes. Fruits in best condition for the table when 6 to 8 inches long, but can be used when much longer. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Early Summer Crookneck. Small, crooknecked, Summer squash. Skin, bright yellow, somewhat warted. Very early and quite productive. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Early White Bush Scallop, or Pattypan. Matures the earliest of any, very productive, light creamy color, and scallop shaped. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Giant Summer Crookneck. Largest and one of the earliest of the crookneck Summer squashes. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Mammoth Bush Scallop. A selection from the ordinary variety, which it resembles, with the exception of being larger. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Yellow Bush Scallop. The only difference between this and the other varieties is that it is colored a deep yellow. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 30c.

Fall and Winter Varieties

Bay State. Its chief points of merit are its hard shell, dryness of grain, and sweetness of flavor. The hard shell gives assurance of its

being a good keeper. Shell is green; flesh, bright golden yellow and finely flavored. A large yielder. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Boston Marrow. Fine Fall variety; oval; shell, bright orange; flesh, yellow and firm. Best for pies and for canning. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.50.

Delicious. For table use no squash compares with it in its remarkable combination of fineness, compactness of grain, dryness, sweetness and exceedingly rich flavor. Weighs from 5 to 10 pounds. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Essex Hybrid. Its shape is distinctly different from other varieties, having on the blossom end a thick, cap-shaped enlargement. Flesh is dry, sweet, and thick, and bright orange in color. One of the best squashes for keeping. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.

Golden Hubbard. A genuine Hubbard squash, except in color, which is a bright red; quality excellent. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Improved Hubbard. More extensively grown than any other Winter variety. Of very large size; bluish green in color. Dry, fine-grained flesh of a richness of flavor unsurpassed. Squashes may be kept in good condition from September to May. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Mammoth Chili. The largest of the squashes. Rich orange yellow, round in form. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Marblehead. Shell is very light bluish green. Flesh is light color and very dry. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Prolific, or Orange Marrow. For an early Fall squash there is none that can compare with this in earliness and productiveness, which are important features with the market gardener. Brilliant orange red in color, it looks attractive and sells well in the market. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Blue Hubbard. This squash is grown for us by a market gardener of Essex County. It is thick meated, fine grained, dry, and very sweet. A favorable sort either for home use or for the market. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Victor. Fall and Winter variety. Rich orange yellow, hard shell, thickly covered with warts. Very thick, solid flesh. Fine yielder. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Warren Special. This strain is grown for us by a market gardener of Essex County, Mass. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Warted Hubbard. A superior strain of mammoth size, and entirely covered with warty excrescences. A rich, dark, green in color and of very best quality. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

TOMATOES

One ounce will produce about 1,500 plants

CULTURE. The seed may be sown in hotbeds, with good bottom heat, in February or March. When the plants are 2 or 3 inches high, transplant into other frames, setting about 4 or 5 inches apart each way, or in boxes or in single pots which are to remain in the frames. Set the plants out in open ground not earlier than the last week in May or first week in June. They are very tender and will not bear the least frost. Choose a light, sandy, or gravelly loam, in a well-sheltered situation, and with a southern exposure if possible, as early fruit is desirable. In such a location the plants may be set about 4 feet apart each way, using a large shovelful of well-rotted manure in each hill. On rich soils but little, if any, manure is necessary. The plants will need to stand about 6 feet apart each way.

Extra Early Varieties

Bonny Best. Early tomato. It has been tested and found 10 days earlier than the Chalk's Early Jewel and ripens with the Earliana. Strong grower, very productive, ripens evenly all over, excellent shipper. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Belmont. An extra early variety, quite popular in the Boston markets. Good size, smooth, bright red color. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Chalks' Early Jewell. An extremely early variety, brightest scarlet in color, deep fruited, and solid. Very few seeds and of excellent flavor. A splendid variety for the table or for exhibition. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Earliana. The very earliest large tomato. Remarkable for its large, uniform size, handsome shape, bright red color, and wonderful productiveness. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

John Baer. An extra early scarlet fruited variety of superior merit. The vines are very hardy and exceptionally productive. The fruits are the largest of the extra early and are also most attractive in color. They are nearly round, smooth, firm, and of excellent quality. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Sunrise. Early and prolific. It is one of the finest tomatoes for indoor and outdoor culture. It grows in clusters. The Sunrise sets freely and is an immense cropper, yielding heavy bunches at short intervals all over the plant. Fruits smooth, of good form and size, very solid, producing almost no seed. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Forcing Varieties

Best of All. Considered by many to be the equal of any other variety in the quality of fruit and productiveness. Deep scarlet. A strong grower, producing very solid tomatoes in bunches. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.25.

Comet. This is a splendid variety for forcing. It is very short-jointed, fruiting close up to the stem. The tomatoes are of good medium size, quite smooth, very solid, and of a deep scarlet. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Ames Forcing. A new variety for either forcing or outdoor culture.

Of excellent flavor, perfect in shape, of good size, setting freely. The fruits are bright red, very solid, and grow in clusters of 7 to 9. The originator claims to have taken between 600 and 700 bushels to the acre. Pkt. 25c, oz. 75c, $\frac{1}{4}$ lb. \$2.50.

Red Rock. Of brilliant red color, one of the most solid varieties; medium size; medium early; one of the best for home or market gardening. Pkt. 30c, oz. \$1.00, $\frac{1}{4}$ lb. \$3.25.

General Crop

Acme. An old variety of delicious flavor, dark red, tinged with purple. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Coreless. The most perfectly shaped canning variety ever produced. Large size, globe shaped, full at stem end, bright red. A strong grower and big cropper. Delicious flavor. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Dwarf Champion. On account of its dwarf, compact habit can be planted quite close. Wonderfully productive. The dark reddish purple fruit is very solid, firm, and of medium size. Very desirable for the home garden. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

Dwarf Stone. A superior dwarf growing variety, possessing not only the habit and handsome foliage of the Dwarf Champion, but also the bright red, smooth and solid fruit of the Stone. An excellent variety for the home garden. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Golden Queen. The largest and handsomest yellow tomato. Of superior quality and fine for the table. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Matchless. A strong, vigorous grower, with thrifty vines which produce large handsome tomatoes most abundantly throughout the season. Color a rich cardinal red. Flavor is excellent. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Perfection. Perfectly smooth, blood red in color. Very solid. A heavy cropper. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Ponderosa. Largest of all tomatoes. Single specimens often growing to weigh from $1\frac{1}{2}$ to 2 pounds. Good flavor. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

New Stone. Grown more extensively than any other for a main crop variety, especially by market gardeners. Very large, smooth, and solid, of a bright red color. A heavy yielder. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Small-Fruited Tomatoes

These are very decorative in the garden, as well as highly desirable for preserving on account of their freedom from acid. They are tremendously prolific, continuing to bear right up to frost. They may be used raw, and make excellent table decorations.

Pear Shaped. Small, pear-shaped fruit. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25

Red Cherry. Very small, red tomatoes, borne in clusters. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Red Plum. Resembles a plum. Excellent for preserving. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Strawberry or Ground Cherry. Fruit grows in a husk. Fine for keeping. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Yellow Peach. A beautiful clear yellow fruit. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Yellow Plum. Oval shaped, very smooth, clear lemon yellow. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

Tomato Plants. Delivery May or June.

	Doz.	100
Dwarf Champion.....	\$0.50	\$5.00
Dwarf Stone.....	.50	5.00
Bonney Best.....	.50	5.00
New Stone.....	.50	5.00
John Baer.....	.50	5.00

We have many Implements not described or listed in this Catalogue. We can fill your requirements. Try us.

TURNIPS

One ounce will sow 100 feet of drill; one and one-half pounds will sow an acre

CULTURE. Turnips do best in highly enriched, light sandy or gravelly soil. For the earliest varieties, sow as soon as the ground can be worked in the Spring, in drills 12 to 18 inches apart. Fall turnips may be sown from the first of July to the last of August. Ruta Baga or Swedish turnips may be sown from the middle of June until the last of July, in drills 2 feet apart. Plants, when well up, should be thinned to 8 to 10 inches apart.

Cowhorn, or Long White. Rapid grower, long, and carrot shaped. Largely cultivated for feeding stock. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, 1 lb. \$1.25.

Extra Early Purple Top Milan (Flat). The earliest turnip in cultivation and a splendid variety; a favorite with gardeners who want to get turnips in the market first. Bulb, white, flat, medium size, with a bright purple top. One of the sweetest and finest flavored of Summer sorts. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.50.

Extra Early White Milan. One of the earliest turnips, possessing all of the good qualities of the Early Purple Top Milan. It is very smooth and entirely white, and it is ready for the market a week earlier than any other white variety. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Early Snowball. A medium sized, round, pure white variety of the finest flavor. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, 1 lb. \$1.50.

Purple Top Strap Leaf. Most extensively used of the flat turnips. White skin and flesh, with purplish top. Quite early. Very sweet and tender. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Purple Top White Globe. A very heavy cropping, globe shaped variety, with white skin and flesh topped with a purple crown. Excellent flavor, much in favor with the market gardener. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Sweet German. A very popular variety in New England, valued highly for its excellent keeping qualities. Flesh, white, and very sweet and tender. Medium sized. Very firm and solid. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

White Egg. An early oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine grained and sweet. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Yellow Aberdeen Purple Top. Globe shaped. Deep yellow, with purplish top. Flesh, pale yellow, very tender and sweet. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

RUTA BAGA, OR SWEDISH TURNIP

Budlong White Rock. This is an American Ruta Baga, earlier and rounder than any other. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Elephant Swede (Jumbo or Monarch, New). This new English variety grows to a very large size. It is nearly tankard shape, smooth and handsome. Flesh and skin bright orange, and deep purple above ground. An immense cropper. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Improved American Purple Top. The most extensively grown of the Ruta Bagas. Large, yellow fleshed, and very solid. A great cropper. Excellent either for table or for stock. Superior as a keeper. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Large White French. White, solid flesh, very mild and sweet. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

Shamrock. Yellow fleshed variety, globe shaped and equal to any in quality. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00.

DIRECTIONS FOR MAKING AND CARING FOR HOT BEDS

Early in March obtain a good quantity of fresh horse manure, mix with it one-third to one-half its bulk in leaves, and by tramping down the mass in layers, make a large pile, so that the fermentation will continue even in very cold weather. When this fermentation shows, by the escape of steam from the pile, turn it over and allow it to remain so for a few days or until the second fermentation shows; then place the manure in a pit at least $2\frac{1}{2}$ feet deep and tread it down firmly in layers to a depth of about 2 feet. Build your pit in a sheltered spot, facing the south or east if possible and line with heavy planks or concrete. The frame used to support the sashes covering the bed should be raised 6 inches higher at the back than the front, to give proper slope to the sash to catch the sunlight.

After the manure is firmly trodden down in the pit, scatter over the surface a good covering of air-slaked lime, to keep all slugs, worms, and other pests from infesting the surface soil. After this is done, fill in about 4 or 5 inches of good, rich, clean-sifted loam, level off and place a thermometer therein. Put on sashes and let the frame remain closed, until the thermometer registers about 70 to 75 degrees and remains steady. Sow your seed, covering it lightly. Keep the surface moist by an occasional watering with a fine spray. As the seedlings appear it is advisable to allow them a little air each day to prevent them damping off; when the plants are large enough they can be thinned out, transplanted into boxes or small pots and placed back in the warm frames.

SINGLE GLASS SASH

For Hot Beds or Cold Frames

Made from thoroughly seasoned lumber. Frame, well puttied and painted, $1\frac{1}{4}$ inch stock; glass, 8x10. The best sash offered today in Boston. Price: Single sash, \$10.00 each; 5 sash or over, \$9.50 each.

HOT BED MATS

Straw. Made by hand from the best rye straw, and in the most thorough manner. Size 6x6 ft., \$2.50 each; 3x6 ft., \$2.00 each. Special prices on large lots, and special sizes made to order.

HERBS

Sweet, Pot and Medicinal Herbs are all of easy cultivation. Sow seeds in May. Varieties marked A. are Annual, P. Perennial.

	Pkt.	Oz.
Anise, A. For garnishing and flavoring.	10c	50c
Arnica, P. Valuable medicinal qualities.	15c	
Balm, P. Used medicinally.	10c	60c
Basil Sweet, A. Used for flavoring.	10c	50c
Borage, A. Valuable for bees and flavoring.	10c	30c
Burnet, P. For salads and soups.	10c	25c
Chamomile, P. Has medicinal qualities.	15c	75c
Caraway, A. Used in confectionery.	10c	20c
Catnip, P. Used for medicinal purposes.	10c	
Coriander, A. Used in confectionery.	10c	30c
Dill, A. For flavoring pickles.	10c	40c
Fennel, P. For flavoring fish sauces.	10c	30c
Horehound, P. Used medicinally.	10c	40c
Hyssop, P. Used medicinally.	10c	40c
Lavender, P. Used for its perfume.	10c	60c
Lovage, P. Has medicinal qualities.	20c	
Marjoram Sweet, P. Used for flavoring.	10c	65c
Pennyroyal, P. Useful for medicine.	10c	75c
Rosemary, P. Used as a hair wash.	10c	60c

Rue, P. Used as medicine. Bitter.....	10c	65c
Saffron, A. Used for medicine, also as a dye.....	10c	40c
Sage, P. Used for flavoring.....	10c	50c
Sorrel, P. Used for salads.....	10c	30c
Summer Savory, A. Used for seasoning.....	10c	30c
Thyme, P. Used for flavoring.....	10c	50c
Wormwood, P. Used medicinally.....	10c	75c
Tarragon Plants. Used for flavoring.....	25c each, \$2.75 doz.	
Mint Plants.....	15c each, \$1.50 doz.	

BIRD SEEDS

For Feeding Only

Prices subject to change

	lb.	100 bls.
Sicily Canary. Recleaned.....	12c	\$10.00
Hemp Seed.....	10c	8.00
Rape, Bird small.....	14c	12.00
Rape, Bird large.....	10c	8.00
Mixed Bird Seed.....	12c	10.00
Lettuce for Birds.....	30c	15.00
Blue Maw or Poppy.....	25c	20.00
Rice, Unhulled or Paddy.....	12c	10.00
Millet, Golden (for feeding).....	8c	6.00
Cuttle Fish Bone.....	60c	
Sunflower.....	13c	11.00
Kaffir Corn for Pigeons.....	5c	4.00
Flax.....	15c	12.00

GRASS SEED MIXTURES

Ames Purity Lawn Grass Seed

Here are a few helpful suggestions for making a good lawn: First—you need a moderately rich soil, of good depth, and well drained. Second—the ground should be carefully prepared, making it fine, smooth and mellow as possible. Third—the seed should be wisely chosen. Purity Lawn Grass Seed is the best selection you could possibly make; it is free from chaff. Sow as early in the spring as possible. The best time to make a lawn is from the middle of August to the last of September. Use a good fertilizer, such as wood ashes, ground bone or prepared lawn fertilizer.

Ames Purity Lawn Mixture. A special mixture for open, sunny locations, where a beautiful velvety green turf is required. 1 lb. sufficient for 300 sq. ft., 2 bu. per acre. 1 lb. 50c, 8 lbs. \$3.75, bu. (32 lbs.) \$14.50.

Ames Special Shade Mixture: We offer this mixture for growing under trees, near to houses or for growing in the shade generally. 1 qt. 35c, pk. \$2.10, bu. \$7.75.

Grass Seed for Pleasure Grounds. Used by all the leading Playsteads in New England. A fine combination of grasses for this purpose. Pk. \$2.50, bu. \$9.00.

Special Mixtures for Special Locations

Ask us about these and we will gladly advise you.

Fair Green Mixture

	Per bu.
1- 10 bushels.....	\$12.25
10- 25 bushels.....	12.00
25- 50 bushels.....	11.75
50-100 bushels.....	11.50

Tennis Court Mixture. This mixture is composed of extra fine grasses particularly adapted to tennis courts. It makes a firm, green, lasting turf of the finest texture, that improves with the tramping it receives.

1 qt.....	\$0.35	½ bu.....	\$4.25
1 pk.....	2.25	1 bu.....	8.00

Putting-Green Mixture

	Per bu.
1- 10 bushels.....	\$10.50
10- 25 bushels.....	10.25
25- 50 bushels.....	10.00
50-100 bushels.....	9.75

Bank and Terrace Mixture. This mixture is composed of deep rooting grasses which soon produce a close matted turf that prevents washing away during heavy rains.

1 qt.....	\$0.40	½ bu.....	\$ 5.75
1 pk.....	3.00	1 bu.....	11.00

Use Farmogerm for Peas

AMES PURITY GRASS SEEDS FOR LAWN AND FIELD

Prices subject to market fluctuation.

We will on application be pleased to quote you prices on all grasses.

Awnless Brome (Bromus inermis). A hardy perennial grass remarkable for its ability to resist drought. Very valuable for hay and pasture grass, yielding very good crops even on poor soils and under unfavorable conditions. Price on application.

Creeping Bent (*Agrostis stolonifera*). Perennial, 1 to 2 feet, July. A grass desirable for either lawns or permanent pasture, on account of the firm and enduring turf it produces. Specially adapted to moist situations. 40 pounds required for 1 acre. Weighs 15 pounds to the bushel.

Crested Dog's Tail (*Cynosurus cristatus*). Perennial, 1 to 1½ feet July. A very hardy grass, valuable for permanent pasture, and is not affected by extremes of weather. Very tender and nutritious.

English Rye Grass (*Lolium perenne*). Perennial, 15 to 24 inches, June. A valuable variety, used for lawn, permanent pasture, and mowing mixtures. Forms a very compact sward, and if cut when in blossom is very nutritious.

Hard Fescue (*Festuca duriuscula*). Perennial, 18 to 24 inches, June. The most vigorous of the dwarf growing grasses. Thrives well in dry soils; comes early and withstands long droughts.

Italian Rye Grass (*Lolium italicum*). Biennial, 18 to 30 inches, June or July. Unsurpassed in productiveness where a permanent grass is not desired. At its best on moist land. 3 bushels required for 1 acre. Weighs 18 pounds to the bushel.

Meadow Fescue (*Festuca pratensis*). Perennial, 18 to 24 inches, June and July. One of the most valuable grasses, succeeding in any good soil, though preferring moist places. Very nutritious. Largely used for a permanent pasture.

Kentucky Blue (*Poa pratensis*). Perennial, 10 to 15 inches, June. Remarkable for its ability to adapt itself to a great variety of soils, succeeding on an average dry soil as well as on a moist meadow. An abundant yielder and presents a handsome green appearance, early in the Spring, thus making it of great value for lawn mixtures.

Meadow Fox Tail (*Alopecurus pratensis*). Perennial, 2 to 3 feet, May. A desirable grass for permanent pastures.

Orchard (*Lactylis glomerata*). Perennial, 3 feet, June. Of the greatest value in permanent pasture mixtures on account of its extreme earliness and rapid growth. Thrives best in moist, shady places.

Red Fescue (*Festuca rubra*). Perennial, 2 to 2½ feet, June and July. On account of its creeping habit is especially valuable for loose, sandy soils and embankments.

Red Top (*Agrostis vulgaris*). Perennial, 1 to 2 feet, July. Of great value for mixing with lawn, hay, or permanent pasture grasses. Will succeed in nearly any soil, but thrives best in a rich, moist soil. Makes a fine bottom growth, rendering it invaluable to be sown with grasses, such as Timothy and Orchard.

Red Top (*Agrostis vulgaris*). About 40 pounds to the bushel. Purity, 97 per cent.

Red Top, Fancy Recleaned. 32 pounds to the bushel. Purity, 90 per cent.

Rhode Island Bent (*Agrostis canina*). Perennial, 1 to 2 feet, June and July. Forms a very fine turf, even on light soils. Desirable for lawns, as it forms a very close sward. Resembles Red Top in appearance. Sow 3 bushels to the acre.

Rough Stalked Meadow (*Poa trivialis*). Perennial, 2 to 3 feet, July. A superior meadow grass, thriving only in moist, heavy soil. Should be planted with other grasses, as it thrives best when shaded.

Sheep's Fescue (*Festuca ovina*). Perennial, 6 to 18 inches, June and July. Very low growing and especially adapted for dry, upland pastures. Weighs 12 pounds to the bushel. Sow 2½ bushels to the acre.

Sheep's Fescue, Fine Leaved (*Festuca ovina Tenuifolia*). Perennial, 8 to 24 inches, June. A finer leaved variety of above, relished by cattle as well as sheep. Suitable for permanent pastures.

Sweet Vernal, True Perennial (*Anthoxanthum odoratum*). Perennial, 1 to 2 feet, May and June. Prized for hay and pasturage on account of its delightful fragrance.

Tall Meadow Fescue (*Festuca elatior*). Perennial, 3 to 4 feet, June and July. A very vigorous growing grass, relished by all kinds of stock. Prefers moist, shady places.

Tall Meadow Oat (*Arrhenatherum avenaceum*). Perennial, 2 to 4 feet, May and June. Remarkable for its luxuriant early growth in Spring and also for heavy crops in Fall. Indispensable for a permanent pasture, especially on rich uplands.

Timothy, or Herd's (*Phleum pratense*). Perennial, 2 to 3 feet, June and July. As a hay crop, Timothy is unsurpassed by any other grass. Thrives on ordinary soil, but succeeds best in a moist loam. Remarkably nutritious, especially when ripe, but as it is also hard and coarse at that stage, it is better to cut it when in blossom or soon after flowering. Beneficial to sow with Red Top and Red Clover, as they produce more of a bottom growth. Not suited to sandy or light or gravelly soils. ½ to 1 bushel sufficient for 1 acre.

Various Leaved Fescue (*Festuca heterophylla*). Perennial, 2½ to 3 feet, June and July. Valuable for permanent pastures and mowing. Produces a heavy sward and thrives especially well on uplands. Also used in lawn mixtures for shady locations. Weighs 14 pounds to the bushel. Sow 3 bushels to the acre.

Wood Meadow (*Poa nemoralis*). Perennial, 1½ to 2 feet, June. One of our most valued grasses for shady places either in lawn or pasture mixtures. Produces a very thick growth and especially adapted to moist soils. Weighs 14 pounds to the bushel. Sow 2 bushels to the acre.

General Grass Seeding for hay we recommend:

Clover		5 lbs.
Red Top	Mixture for one acre	9 lbs.
Timothy		15 lbs.

If interested in large quantities of mixtures, write us for quotations.

AMES SPECIAL GRASS MIXTURES FOR PASTURES AND MOW- ING LAND

Mixtures for Pastures

Prices on application. Prices subject to market changes

No. 1, Cool, moist soils, 40 lbs. will sow 1 acre.

No. 2, High, dry soils, 40 lbs. will sow 1 acre.

No. 3, Heavy, wet soils, 40 lbs. will sow 1 acre.

Mixtures for Mowing Land

No. 4, Light lowland, 40 lbs. will sow 1 acre.

No. 5, Dry upland, 40 lbs. will sow 1 acre.

No. 6, Medium soils, 40 lbs. will sow 1 acre.

Pastures sown with these Permanent Mixtures should last indefinitely if given a frequent top dressing of manure or fertilizer.

10 lbs. Mixed Permanent Clovers sufficient for one acre. Price \$6.00. (Should be sown in early Spring.)

Visit us when in want of anything per-
taining to the farm. 6 stories filled with
the best that can be had.

AMES PURITY CLOVER SEEDS

Prices subject to market fluctuations

Alfalfa or Lucerne (Medicago Sativa). The chief merit of Alfalfa is the fact that it can be cut several times in a season. The soil should be deep, rich and well prepared. It does not succeed on heavy clay. It will resist very dry weather owing to the depth which its roots go. It is greatly relished by all stock.

Genuine Grimm Alfalfa. This strain is hardier and more productive than any other known variety. It originated in Northern Minnesota Price per lb. 75c.

Montana Grown Alfalfa. Many farmers are having great success with this variety and prefer it to all others. We offer only the finest re-cleaned seed. Price per lb. 30c, \$27.00 per 100 lbs.

Alsike (Trifolium hybridum). Valuable clover for sowing with other grasses, as it forms a thick bottom, thereby increasing the yield of hay. It is very hardy, and will grow on nearly any soil. 35c per lb., \$30.00 per 100 lbs.

Crimson (Trifolium incarnatum). Generally sown in Summer and early Fall, to be plowed under and used as a green manure. A rapid-growing, nitrogen-storing plant, and, as such, is invaluable for growth in orchards and wherever it can occupy the land from July to December. 30c per lb., \$25.00 per 100 lbs.

Medium Red (Trifolium pratense). More extensively grown in New England than any of the other clovers. Of very rapid growth, and does best on rich, warm loams. Its luxuriant foliage is not only valuable as a food for cattle, but when used with Timothy and Red Top it makes excellent hay. 35c per lb., \$30.00 per 100 lbs.

White (Trifolium repens). Used largely in lawns and permanent pastures. Being a deep-rooted plant, it withstands drought on dry, sandy sections. Its stems are spreading, slender, and creeping. The small, white flower heads are borne from May to September. 75c per lb., \$65.00 per 100 lbs.

Sweet Clover (Melilotus albus). Grown for hay, green forage or pasturage, also valuable for soiling. Sow 20 lbs. to the acre. A biennial. 20c per lb., \$18.00 per 100 lbs.

**INOCULATE THIS
SEED WITH
FARMOGERM**

VALUABLE AGRICULTURAL GRAINS AND MILLETS

Prices subject to market changes

Beardless Barley. The best of all Barleys. A great yielder. Bu. \$2.50.

Hulled Barley. Very early, also very nutritious, making it valuable for horses, poultry, and all other stock. Price on application.

Montana Barley. The brand of Montana Barley which we carry produces large, nearly white berries, and is a very heavy yielder. Price on application.

Swedish Oats. Our seed is clean, well filled, selected stock, and we will be very glad to send samples. Weight, 32 pounds per bushel. Per bu. \$1.30.

Spring Rye. Spring Rye is an excellent catch crop or for sowing where a Fall crop has not been planted. It does not yield as heavy as Winter rye. Price on application.

Winter Rye. Our stock is New England grown. It will grow on most any variety of soil. Grown for grain, fodder, and soiling purposes. Per bu. \$2.50.

Spring Wheat. We are offering an extra fine grade of Spring Wheat. The heads are long, medium size, and plump kernels. The straw is stiff, medium length, and is very strong. Price on application.

Winter Wheat. Our grade of this seed of Winter wheat is the best obtainable. Our seed is clean, well selected, and the kernels are extra large and plump. Per bu. \$3.00.

Japanese Buckwheat. This is a highly desirable variety. Sown the same day as Silver Hull, it ripens a week earlier and yields nearly double. Per bu. \$2.75.

MILLETS

Prices subject to change with the market

Valuable for green fodder or hay, maturing in 50 to 75 days from the time the seed germinates, producing an abundant yield of forage, relished by all kinds of stock; should be sown in June or July. They must be cut while in blossom to make good hay.

Millet, Hungarian (*Panicum Hungariensis*). Used for hay and forage. Sow 40 or 50 pounds per acre, between the first and middle of June. Yields heavily, and when well cured is excellent for cattle, increasing the flow of milk. Sow 1 bushel to the acre. Per bu. \$4.50.

Millet, Common (*Panicum Miliaceum*). Excellent for forage. Requires a dry, light, rich soil. Height, 2½ to 4 feet. For hay, sow broadcast, 1 bushel per acre, from May first to August first. For grain, sow in drills, ½ bushel to the acre, not later than June twentieth. Per bu. price on application.

Millet, Japanese (*Panicum Crus Gali*). This is the most popular millet of all varieties grown in the New England States, on account of its producing very heavy growth for green feed. It grows from 6 to 9 feet high, yielding 12 to 14 tons of forage per acre. It makes good hay and is superior to corn in feeding qualities. As a catch crop it cannot be surpassed. Sow at the rate of 25 pounds per acre; 35 pounds to the bushel. Per lb. 10c, 100 lbs. \$12.00.

Millet, German or Golden (*Panicum Germanicum*). This millet will not resist the drought as well as the other varieties, but when fed in the green state, it is an excellent variety to grow. On good soil it grows from 4 to 5 feet high. Sow 1 bushel to the acre. Per bu., price on application.

MISCELLANEOUS FARM SEEDS

Prices subject to market changes

Soja Beans. One of the most valuable and important forage and soil-improving crops. Feed green or as ensilage.

Yellow Soja Beans. A large-growing, yellow-seeded variety, especially suitable for ensilage and plowing under. Sow at the rate of one bushel per acre. Per bu. \$4.00.

Whip-Poor-Will Cow Peas. A valuable and nutritious forage or hay crop. Enriches poor land; improves good land. One of the best and cheapest ways of improving soil is the plowing under of leguminous crops. Cow Peas have been found superior for this purpose, especially on medium or light soils. Per bu. \$3.75.

Canada Field Peas. Very valuable in the Northern States for cattle feeding. Sow at the rate of 3 bushels to the acre. When sown with oats they furnish a large amount of forage in August, when grass pastures are usually short. Sow 2 bushels to the acre with oats. Per bu. \$5.00.

Dwarf Essex Rape. A forage plant of great merit, easily grown in any part of the United States, and of great value for sheep and lambs. One acre of Rape is sufficient to pasture 10 to 15 lambs for two to two and one-half months. Per 20c lb., 100 lbs. \$15.00.

Spring Vetch, or Spring Tare (*Vicia sativa*). This, like Field Peas, is used both for green fodder and for plowing into the soil. Per lb., 12c 100 lbs. \$10.00.

Winter, or Hairy Vetch. Each year we find a great increase in our sales of Hairy Vetch. It is becoming noticeably popular with those who wish to grow more forage. It is especially adapted as a soil fertilizer. It succeeds and produces a good crop on poor, sandy soil as well as on good land. It is perfectly hardy throughout the United States. The root growth is very extensive and makes a quantity of nitrogen tubercles. The Vetches can be sown from August to October. They should be sown broadcast, at the rate of from 20 to 30 pounds to the acre, with 1 bushel of Rye, as the Rye assists in holding the Vetches off the ground, makes a better growth, and can be harvested earlier. If sown alone, 40 to 50 pounds per acre should be used. Price on application.

Sunflower Mammoth Russian. This is highly prized by the farmers, and is considered a good crop to grow to feed poultry on. Price on application.

Sugar Cane, or Sorghum, Early Amber. Valuable for the large amount of foliage, green fodder it produces, and for its grain. Ripens wherever Indian Corn matures. Price on application.

SUDAN GRASS

A New Annual Forage Crop

Sudan Grass is a drought-resistant hay crop of great merit. In dry sections it yields more forage than Millet. The hay, which is relished by stock of all kinds, is of better quality than Millet hay. After the ground has become warm, seed may be sown broadcast at the rate of from 16 to 24 pounds per acre; if planted in drills 18 to 24 inches apart from 4 to 6 pounds per acre will be sufficient. Per lb. 25c.

CHOICE FIELD CORN

For Fodder and Ensilage. Selected, Hand-Picked Quality

Our Field Corn is selected on the ear before being shelled

Plant in hills, 8 to 12 quarts per acre; for Fodder or Ensilage, in drills, 1 bushel per acre; and for Soiling, 2 bushels per acre, broadcast. Quart of any variety 15c, except where otherwise priced.

Sweepstakes Pedigree Seed Corn. This is the Corn that is making Pennsylvania famous—the corn it PAYS to RAISE. It makes the best Ensilage; ripens fully and glazes well.

Plant Sweepstakes Pedigree Corn this season and you'll plant it every season. It makes friends and keeps them. Per bu. of 56 lbs. \$5.00.

Canada Cap. This is a splendid flint corn for the Northern New England Farms to plant. It matures in 85 to 95 days. Very productive; every vigorous stalk will produce two ears. The ears are from 8 to 10 inches long and tips are completely capped with corn. Per bu. of 56 lbs., price on application.

Early Canada. This is one of the earliest of the yellow flint varieties. It is 8-rowed, the ears averaging 8 to 10 inches long, perfectly filled and even. It matures in 90 to 95 days. Per bu. of 56 lbs. \$2.75.

Eureka Ensilage Corn. The tallest and leafiest ensilage corn grown, and one that is being planted more and more every year. Every dairy farmer should have a field of this corn for his silo. Per bu. of 56 lbs. \$2.75.

Longfellow Flint Corn. This is an 8-rowed variety of the Canada type. The ears are cylindrical, from 10 to 15 inches long. Cob, small. Kernels, large and broad. Color, rich glossy yellow. Particularly adapted to New England and a very heavy yielder. Per bu. of 56 lbs. \$3.00.

Improved Leaming. One of the most popular and productive varieties planted in New England, as the stalks grow very tall, and produce as a rule two good ears on each stalk. The ears are from nine to twelve inches long, containing sixteen to twenty winding rows, solidly set on a small red cob, well filled with kernels of medium size, of rich golden color. Per bu. \$2.50.

Sheffield Corn. This variety of corn is very popular in Southern New Hampshire and Western Massachusetts. It is a very good variety to plant in localities where early frosts are expected, as it matures in about 90 days. The ears average about 8 inches in length. Per bu. of 56 lbs., price on application.

Stowell Evergreen. The standard late variety. This corn is distinguished by the large ear, the long, deep kernels, the rich flavor, and long keeping qualities. As a sweet corn for fodder, this variety is well known. Per pk. \$1.50, per bu. \$5.00.

Sweet Fodder Corn. Our strain of Sweet Fodder Corn is already a well-known variety for cutting green and feeding stock, and for soiling or ensilage purposes. Per pk. \$1.25, per bu. \$4.00.

White Southern. A tall-growing variety. Valuable for ensilage and fodder. Per bu. of 56 lbs., price on application.

All our Seeds are Tested for Germination before being Shipped.

AMES FLOWER SEEDS OF SUPERIOR QUALITY

All Flower Seeds mailed free on receipt of price quoted. Any varieties not listed here, we can supply upon application.

Acroclinium. One of the prettiest and best annual everlastings for cutting fresh or for Winter use. For drying they should be cut before fully open and hung in an airy room to dry, heads down, 15 in.

Double Rose. $\frac{1}{4}$ oz. 25c, pkt. 10c.

Double White. $\frac{1}{4}$ oz. 25c, pkt. 10c.

Ageratum. These half-hardy annuals are most useful for bedding, remaining in bloom throughout the summer.

Blue Perfection, Deep Blue. $1\frac{1}{2}$ ft. $\frac{1}{4}$ oz. 75c, pkt. 15c.

Imperial Dwarf, Dark Blue. 8 in. $\frac{1}{4}$ oz. 75c, pkt. 10c.

Imperial Dwarf, White. 8 in. $\frac{1}{4}$ oz. 40c, pkt. 10c.

Alyssum. Dwarf growing annuals, blooming profusely throughout the season. The flowers are fragrant.

Benthami (Sweet Alyssum). White, fragrant, free bloomer. $\frac{1}{4}$ lb. \$1.50, oz. 50c, pkt. 10c.

Little Gem, White and very sweet. $\frac{1}{2}$ ft. $\frac{1}{4}$ oz. 30c, oz. \$1.00, pkt. 10c.

Antirrhinum (Snapdragon). One of the most beautiful and useful bedding plants, blooming profusely throughout the Summer and Autumn.

Tall Varieties 2 to $2\frac{1}{2}$ ft.

Giant Rose. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Giant Crimson. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Giant Scarlet. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Giant Yellow. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Giant White. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Melrose. $\frac{1}{4}$ oz. 60c, pkt. 15c.

Venus, Delicate Pink. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Giant Mixed Finest sorts. $\frac{1}{4}$ oz. 40c, pkt. 10c.

Intermediate Varieties, 15 to 18 inches

Cottage Maid. Pale Coral Pink, white throat. $\frac{1}{4}$ oz. 50c, pkt. 10c.

Crimson King. Bright crimson. $\frac{1}{4}$ oz. 75c, pkt. 15c.

Golden Queen. Pure Yellow. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Rosy Morn. Rose pink. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Queen of the North Pure White. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Mixed. Finest Varieties. $\frac{1}{4}$ oz. 50c, pkt. 10c.

Arctotis grandis. Handsome annual from South Africa, with large, Daisy-like flowers, white, with light blue center, the reverse side of petals being pale blue. 2 ft. $\frac{1}{4}$ oz. 50c, pkt. 10c.

ASTERS

For best results Asters should have rich soil and plenty of moisture. The roots are produced near the surface, a mulching during hot weather is beneficial. Change the location of the bed every year.

VALUABLE TABLE FOR PLANTING

Name of Vegetable	When to Plant		Depth to Plant Inches	Distance Apart Inches	Time of Maturity
	Hot Bed	Open Ground			
Artichoke, Globe	March	May	$\frac{1}{2}$	Transplant 24x36	September to frost
Asparagus	.....	April or May	1	Transplant 12x36	3rd year from roots
Beans, Pole	March	May and June	2	Poles 36x36	August to frost
Beans, Dwarf	March	May to August	2	Thick drills, 24 apart	45 days
Beets	March	May to August	1	Thin to 5x15	50 days
Broccoli	March	June	$\frac{1}{2}$	Transplant 18x30	100 days
Brussels Sprouts	March	May and June	$\frac{1}{2}$	Transplant 12x18	150 days
Cabbage, Early	March	April and May	$\frac{1}{2}$	Transplant 18x24	100 days
Cabbage, Late	.....	June	$\frac{1}{2}$	Transplant 24x36	100 days
Carrot	March	May and June	$\frac{1}{2}$	Thin to 5x15	100 days
Cauliflower	April	May and June	$\frac{1}{2}$	Transplant 24x36	100 days
Celery	March	May	$\frac{1}{2}$	Transplant 2x4, in flats	170 days
Sweet Corn	.....	May to June	Barely cover	{ Drills 10x30	60 to 90 days
Cress	.....	May to July	{ 1 Early	{ Drills 12x48	40 days
Cucumber	.....	May to July	{ 1 $\frac{1}{2}$ late	Thin to 3x12	50 to 75 days
Dandelion	March	May to July	$\frac{1}{2}$	Hills 48x48	Following spring
Egg Plant	.....	May	$\frac{1}{2}$	Thin to 6x12	135 to 150 days
Endive	April	June	$\frac{1}{2}$	Transplant 36x36	45 days
Kale	March	June to August	$\frac{1}{2}$	Transplant 12x12	150 days
Kohl Rabi	.....	June to August	$\frac{1}{2}$	Transplant 12x18	110 days
Leek	.....	May to July	$\frac{1}{2}$	Thin to 6x18	100 days
Lettuce	.....	May and June	1	Transplant 5x12	25 to 60 days
Martynia	March	April to August	$\frac{1}{2}$	Transplant 12x12	70 days
Melons, Musk	March	May	1	Transplant 36x36	120 days
Melons, Water	April	May and June	1	Hills 60x60	110 days
Okra	.....	May and June	1	Hills 96x96	100 days
	March	May	1 $\frac{1}{2}$	Thin to 12x18	

Onion	.....	April and May	$\frac{1}{2}$	Thin to 5x18	100 to 150 days
Parsley	March	April and May	$\frac{1}{2}$	Thin to 6x12	45 days
Parsnips	.....	April and May	$\frac{1}{2}$	Thin to 5x18	140 days
Peas	.....	April to July	3	Thick rows, 24 apart	40 to 80 days
Pepper	March	June	$\frac{1}{2}$	Transplant 18x24	135 to 160 days
Potato	.....	April to June	{ 2 Early	12x36	90 to 130 days
Pumpkin	.....	June	{ 5 Late	Hills 48x72	115 days
Radish	March	April to Sept.	$\frac{1}{2}$	Thin to 2x12	25 to 45 days
Salsify	.....	May	$\frac{1}{2}$	Thin to 4x18	Oct. through winter
Spinach	.....	April and May	$\frac{1}{2}$	Thick rows, 12 or 15 apart	30 to 40 days
Squash	.....	June	1	Hills 48x72	60 to 130 days
Tomato	March	June	1	Transplant 36x36	100 to 150 days
Turnip	.....	April to August	$\frac{1}{2}$	Thin to 4x18	60 to 75 days

American Branching. "Late" Free-flowering strain, with long stems and large graceful flowers, blooming from August to late Fall, 2 to 2½ ft.
 Dark Violet. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.
 Lavender. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.
 Crimson. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.
 Rose Pink. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.
 Shell Pink. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.
 White. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.
 Mixed. ¼ oz. \$1.00, oz. \$3.00, pkt. 10c.

"Royal,, Branching. A new class with broad incurved petals, early, of sturdy growth, producing long stemmed flowers in profusion. 2 ft.

Rose Pink. ½ oz. 75c, pkt. 15c.
 Lavender. ½ oz. 75c, pkt. 15c.
 Purple. ½ oz. 75c, pkt. 15c.
 Shell Pink. ½ oz. 75c, pkt. 15c.
 White. ½ oz. 75c, pkt. 15c.
 Mixed. ½ oz. 75c, pkt. 15c.

Cregos Giant. A magnificent Aster of the Comet type; well branched with long strong stems and large, loose, feathery heads. 2 ft.

Lavender. ¼ oz. \$1.25, pkt. 10c.
 Purple. Fine color. ¼ oz. \$1.25, pkt. 10c.
 Pink. Shell Pink. ¼ oz. \$1.25, pkt. 10c.
 Rose. Bright Rose. ¼ oz. \$1.25, pkt. 10c.
 White. Pure Snow White. ¼ oz. \$1.25, pkt. 10c.
 Mixed. Finest. ¼ oz. \$1.25, pkt. 10c.

BALSAMS

Balsams are increasing in popularity for the Summer garden. The plants develop much larger flower sprays when set out two feet apart. 1½ ft.

Dark Blood Red. ¼ oz. 60c, pkt. 10c.
 Scarlet. ¼ oz. 60c, pkt. 10c.
 Pink. ¼ oz. 60c, pkt. 10c.
 White. ¼ oz. 75c, pkt. 15c.
 Mixed Double. ¼ oz. 40c, pkt. 10c.

Bartonia Aurea. Showy hardy annual with large golden yellow flowers, succeeds well in partial shade. 1½ ft. ¼ oz. 30c, pkt. 10c.

Beans, Flowering. Scarlet Runner. Large brilliant scarlet flowers. Oz. 20c, pkt. 10c.

Brachycome (Swan River Daisy). Low growing annual, with pretty, Daisy-like flowers, doing best in warm, dry locations.

Blue Star. ¼ oz. 50c, pkt. 10c.
 Rose. ¼ oz. 60c, pkt. 10c.
 Mixed. ¼ oz. 40c, pkt. 10c.

Cacalia Coccinea (Tassel Flower). Showy annual with trusses of tassel-like scarlet flowers. 1½ ft. ¼ oz. 30c, pkt. 10c.

Calendula Officinalis. Flowering plant. Valuable, hardy annual, the double showy flowers making a grand display for months; suitable for dry places. 1 ft.

Lemon Queen. Clear Lemon Yellow. Oz. 50c, pkt. 10c.
 Meteor. Lemon striped with Orange. Oz. 40c, pkt. 10c.
 Orange King. Large dark Orange. Oz. 35c, pkt. 10c.
 Mixed. Oz. 35c, pkt. 10c.

Calliopsis or Coreopsis. Showy hardy annuals blooming early and until frost. Fine for cutting.

Drummondia (Golden Wave). Golden Yellow, with brown center. Oz. 50c, pkt. 10c.

Fire King. Bright Scarlet. Pkt. 15c.
 Mixed. Fine varieties. Oz. 30c, pkt. 10c.

Candytuft. Well-known annuals, valuable for edgings and for cuttings. 1 ft.

Crimson. Oz. 50c, pkt. 10c.

Giant White. Large flowered, pure white. ¼ oz. 30c, oz. 85c, pkt. 10c.

Giant Mixed. ¼ oz. 15c, oz. 40c, pkt. 10c.

Celosia Thompsoni Magnifica. Feathered Cockscomb. A valuable annual, with long feathery plumes of rich colors. 2 ft.

Crimson. ¼ oz. 75c, pkt. 15c.
 Golden Yellow. ¼ oz. 75c, pkt. 15c.
 Scarlet. ¼ oz. 75c, pkt. 15c.
 Mixed. ¼ oz. 60c, pkt. 10c.

Centurea. Annual Varieties. Free flowering, hardy annual with showy flowers; useful for cutting.

Americana Lilac. ¼ oz. 60c, pkt. 10c.

Cyanus, Mixed (Bachelor's Button). ¼ oz. 30c, pkt. 10c.

Double Mixed. Oz. 50c, pkt. 10c.

Blue. Oz. 30c, pkt. 10c.

Double Blue. ¼ oz. 50c, pkt. 10c.

Rose. ¼ oz. 50c, pkt. 10c.

White. ¼ oz. 30c, pkt. 10c.

Imperialis (Sweet Sultan).

Mixed. ¼ oz. 50c, pkt. 10c.

Suaveolens Yellow. ¼ oz. 30c, pkt. 10c.

Chrysanthemum. Showy Summer flowering plants, blooming from July until frost.

Double-Flowering Annual Varieties.

Golden Yellow. ¼ oz. 30c, pkt. 10c.

White. ¼ oz. 30c, pkt. 10c.

Mixed. ¼ oz. 25c, pkt. 10c.

Single-Flowering Annual Varieties.

Atrococcinum Scarlet. ¼ oz. 20c, pkt. 10c.

Evening Star Golden. ¼ oz. 30c, pkt. 10c.

Morning Star Primrose. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Mixed. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Clarkia. Very showy and profuse flowering hardy annuals of easy culture; useful for cutting.
Double Brilliant. $\frac{1}{4}$ oz. 35c, pkt. 10c.
Orange King. $\frac{1}{4}$ oz. 40c, pkt. 10c.
Purple Prince. $\frac{1}{4}$ oz. 35c, pkt. 10c.
Salmon Queen. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Mixed. $\frac{1}{4}$ oz. 15c, pkt. 10c.
Cleome Pungens (Spider Flower). Attractive annual, rose. $\frac{1}{4}$ oz. 50c, pkt. 10c.
Alba. White. $\frac{1}{4}$ oz. 30c, pkt. 15c.
Cobaea Scandens. Half-hardy climbing perennial with purple bell shaped flowers; blooming first season from seed, plant edgewise. 20 ft. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Scandens Alba. $\frac{1}{4}$ oz. 50c, pkt. 15c.
Cosmos. One of the most beautiful and useful of the hardy annuals. The early varieties will bloom from July until frost. 4 to 6 ft.
Double Pink Beauty Late Blooming. Pkt. 15c.
Double White Queen Late Blooming. Pkt. 15c.
Extra Early Mammoth.
Crimson. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Pink. $\frac{1}{4}$ oz. 30c, pkt. 10c.
White. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Mixed. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Mammoth Late Flowering. 5 ft.
Lady Lenox; Shell Pink. $\frac{1}{4}$ oz. 50c, pkt. 10c.
Lady Lenox; White. $\frac{1}{4}$ oz. 50c, pkt. 10c.
Delphinium Annual Varieties (Larkspur). Hardy annual, very showy. Plants should be transplanted to avoid overcrowding and to secure the branching habit.
Flesh Pink. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Bright Rose. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Dark Blue. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Light Blue. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Scarlet. $\frac{1}{4}$ oz. 50c, pkt. 10c.
White. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Mixed. $\frac{1}{4}$ oz. 25c, pkt. 10c.
Dianthus, or Pinks. Annual Varieties. These are really hardy biennials though treated as annuals, and bloom the first season from early summer until frost.
Double Flowering Varieties.
Chinensis Mixed Indian Pink. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Heddegi Mixed Japan Pink. $\frac{1}{4}$ oz. 50c, pkt. 10c.
Blood Red. $\frac{1}{4}$ oz. 65c, pkt. 10c.
Salmon Pink. $\frac{1}{4}$ oz. 65c, pkt. 10c.
White. $\frac{1}{4}$ oz. 65c, pkt. 10c.
Mixed Single. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Dimorphotheca (African Marguerite). A rich flowering annual of easy culture blooming throughout the season.
Aurantiaca Deep Golden Orange. $\frac{1}{4}$ oz. 50c, pkt. 15c.
New Hybrids. Rich Colors. $\frac{1}{4}$ oz. 50c, pkt. 15c.
Dolichos (Hyacinth Bean). A quick growing annual climber, flowering all summer, very ornamental.
Darkness Rich Purple. 10 ft. Oz. 35c, pkt. 10c.
Daylight White. 10 ft. Oz. 35c, pkt. 10c.
Mixed. 10 ft. Oz. 30c, pkt. 10c.
Eschscholtzia (California Poppy). Bright showy flowers; excellent for bedding. Hardy annual, June to October. 1 ft.
California Yellow. 1 oz. 30c, pkt. 10c.
Alba White. 1 oz. 30c, pkt. 10c.
Carmine King Carmine. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Dainty Queen Delicate Pink. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Maritima, Golden West, Orange and Yellow. 1 oz. 40c, pkt. 10c.
Mixed. 1 oz. 30c, pkt. 10c.
Euphorbia Heterophylla (Mexican Fire Plant). The beautiful orange-scarlet bracts completely cover the plant almost the entire season.
Annual. 2 to 3 ft. $\frac{1}{4}$ oz. 35c, pkt. 10c.
Variegated (Snow on the Mountain). 1 oz. 50c, pkt. 10c.
Gaillardia (Blanket Flower). Beautiful showy annuals, blooming all Summer. Fine for cutting. 2 ft.
Single Finest Mixed. All colors. 1 oz. 50c, pkt. 10c.
Double Finest Mixed (Lorenziana). 1 oz. 50c, pkt. 10c.
Globe Amaranth (Gomphrena). Annual everlastings. Flowers resemble clover heads, and when dried are used for Winter decoration. $1\frac{1}{2}$ ft.
Purple. Oz. 50c, pkt. 10c.
Orange. Oz. 50c, pkt. 10c.
White. Oz. 50c, pkt. 10c.
Mixed. Oz. 40c, pkt. 10c.
Gourds. Ornamental Mixed. Oz. 25c, pkt. 10c.
Gypsophila (Baby's Breath). Light and graceful hardy plants of easy growth. Useful for cutting to mix with other flowers.
Elegans Alba Grandiflora. Large white annual. $\frac{1}{4}$ oz. 10c, oz. 40c, pkt. 10c.
Elegans Rosea, Rose Pink annual. Oz. 40c, pkt. 10c.
Helianthus (Sunflower). Well-known hardy annuals, the small flowering sorts being very useful for cutting, while the larger sorts are very ornamental and useful, blooming all summer.
Double California, Deep Yellow. 5 ft. Oz. 40c, pkt. 10c.
Single Cucumerifolius Stella, Golden Yellow. 4 ft. Oz. 60c, pkt. 10c.
Single Giant Russian Large. 6 ft. Oz. 20c, pkt. 10c.

Sutton's Red. $\frac{1}{4}$ oz. 35c, pkt. 10c.

Helichrysum, Double Mixed. Pretty annual, everlasting, blooming all Summer and useful as dried flowers for Winter decorations. $\frac{1}{2}$ oz. 25c, oz. 75c, pkt. 10c.

Hollyhock. Everblooming Hybrids. (Annual). Beautiful flowers in all colors and shades blooming readily the first season.

Double Mixed. $\frac{1}{4}$ oz. 50c, pkt. 10c.

Single Mixed. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Humulus (Hop). An annual climber growing 15 to 20 ft.

Japonicus. Variegated foliage. $\frac{1}{4}$ oz. 15c, pkt. 10c.

Variegatus foliage. $\frac{1}{4}$ oz. 15c, pkt. 10c.

Ipomora Quamoclit Hybrida (Cardinal Climber).

Brilliant Cardinal Flowers in Clusters. Pkt. 15c.

Ipomora. Rapid Growing Climber. Hardy annual. 15 ft.

Purpurea. Finest Mixed (Morning Glory). Oz. 15c, pkt. 10c.

Kochia Trichophila (Mock Cypress). Half hardy annual, forming compact bushes about 2 $\frac{1}{2}$ ft. high, light green foliage which changes to a nice crimson in September. $\frac{1}{2}$ oz. 20c, pkt. 10c.

Cavatera Trimestris (Marsh Mallow). A pretty showy hardy annual. 2 $\frac{1}{2}$ ft.

Bright Rose Pink. $\frac{1}{4}$ oz. 20c, pkt. 10c.

White. $\frac{1}{4}$ oz. 20c, pkt. 10c.

Leptosyne Maritima. Free flowering hardy annual, large single yellow Coreopsis like flowers, fine for cutting August to October. 2 ft. $\frac{1}{4}$ oz. 60c, pkt. 10c.

Lobelia. Useful plants for bedding, edging, vases, etc.

Crystal Palace compacta dark blue. $\frac{1}{4}$ oz. 75c, pkt. 10c.

Lupinus (Lupins). Well known annuals, free flowering and fine for cutting.

Hartwegii, White. Oz. 50c, pkt. 10c.

Hartwegii, Blue. Oz. 50c, pkt. 10c.

Rosens Rose, Pink. Oz. 50c, pkt. 10c.

Cruickshanks, Blue and Yellow. Oz. 40c, pkt. 10c.

Fine Mixed. Oz. 25c, pkt. 10c.

Malope (Mallow). Handsome free flowering annuals with large showy flowers suitable for beds and borders.

Grandiflora Alba White. Oz. 40c, pkt. 10c.

Grandiflora Rosea, Rose Pink. Oz. 40c, pkt. 10c.

Mathiola Bicornis (Night scented stock). Hardy annual, delightfully fragrant towards evening, flowers lilac. $\frac{1}{4}$ oz. 25c, pkt. 10c.

Marigold, Double African. Hardy annuals with showy flowers, very effective for beds or borders. 3 ft.

Tall Orange. $\frac{1}{4}$ oz. 25c, pkt. 10c.

Tall Lemon. $\frac{1}{4}$ oz. 25c, pkt. 10c.

Eldorado Mixture. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Marigold French. These are the small flowered sorts beautifully striped.

Dwarf Gold striped. 1 ft. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Double Mixed. 1 ft. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Tall Single Mixed. 2 ft. $\frac{1}{4}$ oz. 25c, pkt. 10c.

Legion of Honor. 1 ft. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Signata Pumila (Tagetis). $\frac{1}{4}$ oz. 25c, pkt. 10c.

Mignonette. An old fashioned sweet scented sort. Oz. 25c, pkt. 10c.

Ames Special. Immense spikes of fragrant flowers, the best strain for forcing and pot culture, pkt. 30c.

Mirabilis Marvel of Peru or Four o'Clock. Well known annuals with most brilliant flowers of various colors.

Mixed. Oz. 25c, pkt. 10c.

Variegated Foliage Mixed. Oz. 25c, pkt. 10c.

Nasturtium, Dwarf. Splendid for borders, doing best in poor soil.

Ames special mixture. Made up from the best named varieties. Oz. 20c, pkt. 10c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Aurora Primrose, striped with Carmine. Pkt. 10c.

Bronze Bronzy Orange. Pkt. 10c.

Beauty Light Scarlet. Pkt. 10c.

Chameleon. Pkt. 10c.

Crystal Palace Gem. Buff spotted. Pkt. 10c.

Empress of India, Brilliant Crimson, dark foliage. Pkt. 10c.

Golden King. Golden Yellow. Pkt. 10c.

King Theodore. Maroon, dark foliage. Pkt. 10c.

Pearl, White. Pkt. 10c.

Spotted King Yellow, spotted Maroon. Pkt. 10c.

Vesuvius Salmon King. Pkt. 10c.

Nasturtium, Tall or Running Varieties.

Ames special mixture. Made up from the best named varieties. Oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Black Prince. Pkt. 10c.

Bright Rose. Pkt. 10c.

Coccineum Scarlet. Pkt. 10c.

Dark Crimson. Pkt. 10c.

Dunnetts Orange. Pkt. 10c.

Edward Otto, Brownish Blue. Pkt. 10c.

King Theodore Deep Maroon. Pkt. 10c.

Luteum. Pkt. 10c.

Moonlight, Pale Straw. Pkt. 10c.

Pearl White. Pkt. 10c.

Vesuvius. Rich Salmon. Pkt. 10c.

Nemophila. Splendid showy hardy annual, blooming all summer. 1 ft.

Insignis, bright blue, with center. $\frac{1}{4}$ oz. 20c, pkt. 10c.

Mixed, all colors. $\frac{1}{4}$ oz. 20c, pkt. 10c.

Nicotiana. Very effective annuals in bloom throughout the season. Fragrant.

Affinis White. 3 ft. $\frac{1}{4}$ oz. 30c, pkt. 10c.
 Choice Hybrids, Bright colors. $\frac{1}{4}$ oz. 50c, pkt. 10c.
 Sanderae Carmine Red. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Nigella (Love in a Mist). Interesting hardy annual.
 Miss Jekyll. Cornflower Blue. $\frac{1}{4}$ oz. 25c, pkt. 10c.
 Mixed Blue and White. Oz. 25c, pkt. 10c.
Petunia. Attractive hardy annuals for indoor and outdoor cultivation. They thrive almost anywhere and produce a fine display of color.
 Howard's Star. Crimson with star. $\frac{1}{4}$ oz. \$1.00, pkt. 15c.
 Kermesina Crimson. $\frac{1}{4}$ oz. 70c, pkt. 10c.
 Rosy Morn, Bright Pink. $\frac{1}{4}$ oz. \$1.00, pkt. 15c.
 White, Pure White. $\frac{1}{4}$ oz. 50c, pkt. 10c.
 Striped and Blotched. $\frac{1}{4}$ oz. 40c, pkt. 10c.
 Fine Mixed. $\frac{1}{4}$ oz. 30c, pkt. 10c.
Phlox Drummondii. A very showy hardy annual, brilliant colors.
 1 $\frac{1}{2}$ ft.
 Brilliant Scarlet. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Crimson White star center. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Blood Red. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Pink Fine Shade. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Pure White. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Yellow. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Finest Mixed. $\frac{1}{4}$ oz. 60c, pkt. 10c.
Poppies. Single annual varieties. Hardy annuals making a gorgeous display.
 Admiral White edged scarlet. Oz. 65c, pkt. 10c.
 English Scarlet, Common scarlet field Poppy. Oz. 75c, pkt. 10c.
 The Bride Pure White. Oz. 50c, pkt. 10c.
 Shirley, selected mixed. Oz. 50c, $\frac{1}{4}$ lb. \$1.50, pkt. 10c.
Poppies. Carnation flowered Mixed.
 Flowers double and finely fringed. Oz. 40c, pkt. 10c.
 Paeony Flowered mixed. Oz. 40c, pkt. 10c.
Portulaca. Hardy annuals adapted to light soils, dry situation, good for edging, 6 inch.
 Single Flowered mixed. All colors. $\frac{1}{4}$ oz. 20c, oz. 60c, pkt. 10c.
 Double Flowered mixed. $\frac{1}{4}$ oz. \$1.00, pkt. 10c.
Pyrethrum Aureum (Golden Feather). A fine annual for summer bedding. $\frac{1}{4}$ oz. 25c, pkt. 10c.
Ricinus (Castor Oil Bean). Rapid growing foliage plants. Used in center of beds and on lawns.
 Finest mixed. Oz. 20c, pkt. 10c.
Salpiglossis. Very beautiful free blooming annuals in great variety of color. Blooming all summer. 2 ft.
 Purple Rose and Scarlet all gold veined. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Large Flowering Mixed. $\frac{1}{4}$ oz. 50c, pkt. 10c.
 Emperor Mixed. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Dwarf Mixed. 15 inch. Pkt. 25c.
Salvia. Handsome summer and autumn flowering plants, a blaze of color from July until frost. Blooms first season from seed.
 Splendens Bonfire. 2 $\frac{1}{2}$ ft. $\frac{1}{4}$ oz. \$1.50, pkt. 15c.
 Splendens Grandiflora. $\frac{1}{4}$ oz. 75c, pkt. 10c.
 Farinacea Lavender, blue. 3 ft. $\frac{1}{4}$ oz. 75c, pkt. 10c.
Scabiosa (Morning Bride). One of our best summer flowering annuals. June to October. 2 $\frac{1}{2}$ ft.
 Finest Mixed. $\frac{1}{4}$ oz. 25c, pkt. 10c.
Stocks (Gilliflowers). One of the most highly prized of all our cultivated flowers. Fine for greenhouse use as well as in the garden, invaluable as cut flowers. Large Flowered Double Ten-Weeks' Perpetual Perfection. (Cut and Come Again.)
 Apple Blossom Pink. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Bright Rose. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Canary Yellow. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Dark Blood Red. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Dark Blue. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Light Blue. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Scarlet. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Snow White. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Fine Mixed. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Special Large Flowering Perfection of Nice. Ten weeks. Splendid strain for garden or greenhouse. 2 ft.
 Almond Blossom, Shell Pink. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Beauty of Nice, Flesh Pink. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Cote d'Azur Light Blue. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Crimson King Rich Crimson. $\frac{1}{8}$ oz. 75c, pkt. 15c.
 Queen Alexandra Mauve. $\frac{1}{8}$ oz. 75c, pkt. 15c.
Sunflower. See Helianthus.
Sweet Peas. Giant Spencer or Orchid Flowering Ames Special Exhibition Mixture. Oz. 30c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.75, pkt. 10c.
 Separate varieties. Oz. 35c, $\frac{1}{4}$ lb. \$1.25, pkt. 10c, unless otherwise priced.
 Blanche Ferry Spencer Pink and White.
 Edith Taylor Salmon Rose.
 Elfrida Pearson Blush Pink with deeper margin.
 Fiery Cross Bright Red, Orange Cerise. Oz. 50c.
 Florence Nightingale Bluish Lavender.
 Hawmark Pink Bright Rose Pink.
 Helen Lewis Orange Pink.
 Hercules Soft Rose Pink.
 King Edward Spencer (Maud Holmes).
 King White, Giant Pure White. Oz. 50c.
 Royal Purple. Oz. 50c.
 Scarlet Emperor, Deep Scarlet.
 Early Flowering Spencers for Greenhouse forcing.

All the best varieties each $\frac{1}{4}$ oz. 35c, oz. \$1.00, pkt. 15c.

Sweet William Annual Mixed. Seed sown in March will bloom the same year. 9 inch. $\frac{1}{4}$ oz. 65c, pkt. 10c.

Zinnia. These attractive and decorative hardy annuals are most desirable for bedding purposes. In bloom from June to frost. 1 to 2 ft.

Double Large Flowering Mammoth strain.

Bright Rose. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Carmine. $\frac{1}{4}$ oz. 30, pkt. 10c.

Dark Scarlet. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Deep Maroon. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Flesh Pink. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Golden Yellow. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Lemon Yellow. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Lilac Scarlet. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Striped. $\frac{1}{4}$ oz. 30c, pkt. 10c.

White. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Ames Special Mammoth Mixture. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Ames Special Dwarf Mixture. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Curled and Crested Mixed. $\frac{1}{4}$ oz. 30c, pkt. 10c.

Ornamental Grasses Mixed. Pkt. 10c.

Wild garden mixtures of flower seeds for woodland walks, shrubberies, etc. To be sown broadcast.

Tall or Dwarf Varieties. 1 oz. 15c, $\frac{1}{4}$ lb. 50c, 1 lb. \$1.50.

Summer Flowering Bulbs.

Amaryllis. Best suited for pot culture and when established they should bloom every year; after blooming they make their growth and should have occasional waterings with liquid manure till about September, when they should be allowed to rest and given very little water.

Belladonna Major, Silvery White, flushed with rose. 35c each, \$3.50 doz.

Zephranthes rosea. Rose pink. 10c each, \$1.00 doz., \$7.50 per 100.

Alba (White Fairy Lily) Pure White. 10c each, \$1.00 doz., \$7.50 per 100.

Calla Lily. For successful culture rich soil and plenty of water when growing.

Elliottiana Deep Canary Yellow. 50c each, \$5.00 doz.

Caladium Esculentum. Beautiful ornamental foliage plants. Will grow in any good garden soil. Foliage is light green, veined with dark green and the immense leaves are 3 to 4 ft. long and 2 ft. wide.

Mammoth Bulbs, 4-inch diameter. 35c each, \$3.50 per doz.

Extra large Bulbs, 3 to 4 inch diameter. 20c each, \$2.00 per doz.

Cinnamon Vine. A hardy climber; fragrant white flowers. 10c each, \$1.00 per doz.

Dahlias. We can supply these in separate varieties or mixed and also have collections from \$1.00 up, of all the different types.

Gladiolus. A choice selection of standard named varieties.

America Lavender Pink. 45c per doz., \$3.00 per 100.

Augusta White. 75c per doz., \$4.50 per 100.

Baron Hulot Blue. \$1.25 per doz., \$9.00 per 100.

Brenchleyensis Brilliant Scarlet. 65c per doz., \$5.00 per 100.

Dawn Coral Pink. \$2.25 per doz., \$16.50 per 100.

Empress of India Dark Red. \$1.15 per doz., \$8.00 per 100.

Europa Pure White. \$2.25 per doz., \$17.00 per 100.

Golden King Golden Yellow. \$1.00 per doz., \$7.00 per 100

Halley Salmon Pink with carmine markings and yellow blotches. 75c per doz., \$5.00 per 100.

Mrs. Frank Pendleton Salmon pink, with blood red blotch at throat. \$1.25 per doz., \$8.00 per 100.

Panama Improved America Deeper Pink. \$1.25 per doz., \$9.00 per 100.

Pink Perfection Delicate Apple-Blossom Pink. \$1.50 per doz., \$11.00 per 100.

Princes Rich dazzling crimson. \$1.25 per doz., \$9.00 per 100.

Schwaben Soft Pure Yellow with dark spot in throat. 75c per doz., \$6.00 per 100.

War Blood red shaded crimson black. \$1.25 per doz., \$9.00 per 100.

Ames Special Mixture made up from the very best named varieties. All beautiful rich colors. 50c per doz., \$3.50 per 100.

Groffs' Hybrids Mixed. 65c per doz., \$4.50 per 100.

Primulinus Hybrids Mixed. Ranging in color through all the shades of yellow and orange. Very beautiful. 60c per doz., \$400 per 100.

Tuberoses. Culture should be started early in pots and when the weather is suitable set out in the garden. Very fragrant.

Excelsior Double Pearl. Large double white flowers. \$1.00 per doz., \$7.00 per 100.

We are in a position to be able to supply all kinds of Trees, Shrubs, Evergreens, Bedding Plants, Perennials, etc., and will be glad to quote for same on application.

FERTILIZERS

For Farm, Garden and Lawn Use

Prices F.O.B. Boston and subject to change without notice

Lowell Brands

		Ton	100 lbs.
Guaranteed Analysis.....	2-8-2	2975	155
Guaranteed Analysis.....	2-8-3	3350	215
Guaranteed Analysis.....	3-8-4	4025	225
Guaranteed Analysis.....	4-8-4	4850	270
Guaranteed Analysis.....	4-8-7	5075	285
Guaranteed Analysis.....	3-6-10	4750	265
Guaranteed Analysis.....	4-6-10	5150	290
Guaranteed Analysis.....	5-8-7	5450	310

Lowell Lawn and Garden Dressing. 5 lbs 35c, 10 lbs. 60c, 20 lbs. \$1.00, 50 lbs. \$2.00, 100 lbs. \$3.25.

Victory Brand, Sheep Manure. Soluable and quickly available. Highly recommended as a lawn top dressing and all purposes for which a first class fertilizer is wanted. Per lb. 5c, per 100 lbs. \$2.75.

Ground Bone. Lb. 5c, per 100 lbs. \$3.25.

Bowker Plant Food. A fine food for all house plants. Clean and odorless. Small size 20c, large size 30c.

StimUplanT Makes a Wonder Garden

An all the year powerful and odorless fertilizer for every plant that grows. Comes in concentrated tablet form. Small size 30 tablets 25c, medium size, 100 tablets 75c.

FARMOGERM

A Seed Inoculant that Increases Crop Production

Seeds of all legumes—beans, peas, clover, alfalfa, and related crops—will yield far better if inoculated with Farmogerm, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Gardeners and farmers who have used Farmogerm would not be without it.

Farmogerm is Economical

No other inoculant on the market is so strong and virile; no other inoculant will thoroughly treat as much seed. The one-acre size bottle of Farmogerm is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada field peas, 60 pounds of vetch, etc. A different bacteria is required for each crop. When ordering, be sure to state what crops you wish to inoculate.

Farmogerm Prices Reduced

New scientific methods of manufacture have given lower prices. You cannot now afford to do without Farmogerm.

A special composite culture is prepared for peas, beans and sweet peas— $\frac{1}{4}$ -acre size only. You'll get more peas and beans and larger sweet peas by using this. Ask for No. 5, price 50c.

Farmogerm prices are: 1-acre size \$1.00, 3-acre size \$2.50, 12-acre size \$9.00. Full directions accompany each bottle.

Plain Humus. 100-lb. bags \$2.00.

Agricultural Chemicals

Acid Phosphate, 16 per cent. Per 100 lbs. \$1.55.

Nitrate of Soda. Lb. 6c, per 100 lbs. \$4.50.

Sulphate of Ammonia. Lb. 7c, per 100 lbs. \$5.50.

Muriate of Potash. Lb. 5c, per 100 lbs. \$3.00.

INSECTICIDES

Niagara Dust Mixtures

In order to make combined application of fungicides and insecticides in the dust form, the practice has been the same as with spraying materials, namely, the use of dusting mixtures. A number of these mixtures have been thoroughly standardized and are now recognized as the best combinations for the designated purposes. We list and furnish a number of these thoroughly tested and recognized standard mixtures and advise and recommend that these standard dust mixtures be used wherever possible. On the other hand, we are in position to furnish any kind of special mixture desired by the customer.

For a dust mixture to be efficient and economical, it is necessary that the ingredients be accurately, thoroughly and homogeneously mixed. Special machinery has been designed to produce these homogeneous mixtures and as the importance of protecting crops with these mixtures will allow of no trifling, we strongly urge that only Niagara tested mixtures and materials be used.

Niagara Pomodust. This contains Sulphur and Arsenate of Lead. It is the most widely used dusting mixture for chewing insects and diseases on apples, pears, quince, plum and cherry. 25 lbs. \$2.35, 50 lbs. \$4.45, 100 lbs. \$7.40.

Niagara All-In-One Dust. This dust contains Nicotine, but in addition it has Arsenate of Lead and Sulphur, so that it is a common fungicide, contact insecticide, and stomach poison. It is used when sucking insects are present in addition to diseases and chewing insects. 10 lbs. \$2.41, 25 lbs. \$5.65, 50 lbs. \$11.05, 100 lbs. \$20.60.

Niagara D-11 Dust contains a high percentage of quickly volatile nicotine. It is the dust most highly recommended for use against sucking insects. There is no poison or fungicide in this dust. 10 lbs. \$1.85, 25 lbs. \$4.25, 50 lbs. \$8.25, 100 lbs. \$15.00.

Niagara D-25 Dust contains no poison but its fungicidal property has been increased to 25 per cent dehydrated Copper Sulphate. This mixture is used whenever severe blight or other fungus disease conditions exist. 10 lbs. \$1.23, 25 lbs. \$2.70, 50 lbs. \$5.15, 100 lbs. \$8.80.

Niagara D-18 Dust contains 20 per cent dehydrated Copper Sulphate, 25 per cent Calcium Arsenate and filler. It takes care of blight and bugs and of many other fungus diseases and chewing insects which attack potatoes and other vegetables. 10 lbs. \$1.63, 25 lbs. \$3.65, 50 lbs. \$7.05, 100 lbs. \$12.60.

Arsenate of Lead, Dry. Has all the advantages of the paste form, but goes twice as far and is easier to handle. Can be applied like Paris Green with powder guns. Gaining in favor. 1 lb. 45c, 5 lbs. \$1.75, 10 lbs. \$3.25, 25 lbs. \$7.50, 50 lbs. \$14.25, 100 lbs. \$27.00.

Bordeaux Mixture, Dry. In a popular and convenient form for immediate use; can be used dry or with water. 1 lb. 35c, 5 lbs. \$1.50, 25 lbs. \$6.75, 50 lbs. \$12.00, 100 lbs. \$21.00.

Dry Bordeaux Mixture with Dry Arsenate of Lead. 1 lb. 45c, 5 lbs. \$1.75, 25 lbs. \$7.50, 50 lbs. \$14.25.

Lime Sulphur, Dry. Thoroughly effective against the same insect pests as the liquid. Dissolves readily and completely. No danger of freezing in transit and shipping expense is cut. Use 8 to 10 tablespoons to each gallon, or 10 to 14 lbs. to 50 gallons of water as a dormant spray. 1 lb. 30c, 5 lbs. \$1.25, 10 lbs. \$2.00, 25 lbs. \$4.00, 50 lbs. \$7.50, 100 lbs. \$14.00.

Nicotine Fumigator (Hall's). A improved nway of fumigating green-houses at a low cost with the least bother. The 12½ per cent nicotine powder lights quickly and burns readily. 2½ lb. tins \$2.50, 10-lb. tins \$8.50.

Nicotine Dust "Ansbachers." 10-lb. pails \$3.00.

Pyrox, Bowker's. The best and safest all-round spray. Kills all leaf-eating insects, prevents blights and all fungous troubles without injury to fruit or foliage. Equally good on fruit trees, potatoes, garden vegetables, and shrubbery. It "sticks like paint," and rain "won't wash it off." 1 lb. 55c, 5 lbs. \$1.90, 10 lbs. \$3.50, 25 lbs. \$7.50, 50 lbs. \$14.00, 100 lbs. \$23.00.

\$PRAY WITH **SULCO-V.B.**

Charles Fremd's Formula

Assists nature in producing highly colored fruit.

Sulco-V.B. is offered primarily as a dormant or semi-dormant spray for deciduous fruit and ornamental trees and shrubs and some varieties of evergreen trees and shrubs.

Many commercial fruit growers use Sulco-V.B. through the entire spraying season with excellent results.

Use Calcium Arsenate instead of Arsenate of Lead in combination with Sulco-V.B. 1 qt. 65c, 1 gal. \$2.00, 5 gals. \$8.50, 10 gals. \$14.00, ½ bbl. (30 gals.) \$1.00 gal., 1 bbl. (50 gals.) 90c gal.

"Black Leaf 40" (Sulphate of Nicotine). Highly recommended by spraying experts for destroying aphids, thrips, etc., without injury to foliage. Perfectly soluble in water, hence there is no clogging of nozzles. 1 oz. 35c, ½-lb. can \$1.25, makes 47 gallons; 2-lb. can, \$3.25 makes 240 gallons; 10-lb. can \$13.75, makes 1,000 gallons.

Paris Green, Dry. Per lb. 50c.

Hellebore. Effective dry or mixed with water for worms on currants, gooseberries, etc. where a violent poison like Paris Green or Arsenate of Lead is objectionable. ¼ lb. 20c, ½ lb. 30c, 1 lb. 55c.

Arbo (Sterlingworth). An excellent combination fungicide and insecticide for general use on vegetables and fruits, except the Peach and Japanese Plum. Sticks like glue. Ready for use by mixing 1 pound with 5 gallons cold water. 1 lb. 35c, 5 lbs. \$1.25.

He-Bo (Sterlingworth). A substitute for Hellebore. Dust on vegetation affected with rose slugs, currant worms, cabbage worms, etc. 8 oz. 15c, 1 lb. 25c.

Whale Oil Soap. Combines the valuable features of Whale Oil or Fish Oil Soap with the insecticide values of tobacco. Useful against sucking insects, scale, etc. The best spraying soap made. Prices: lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.40, 25 lbs. \$5.50, 50 lbs. \$10.00, 100 lbs. \$17.00.



Kayso is the combined casein spreader and adhesive now used by fruit and vegetable growers in all parts of the United States. Kayso prevents the spray from collecting in drops. It causes an even covering of poison over fruit, leaves and dormant growth. Spray containing Kayso will remain on the trees much longer than the ordinary spray. 1½ lb. pkgs. 40c each, 10 lbs. 23c lb., 50 lbs. 21c lb., 100 lbs. 20c lb.



Rax. The Scientific destroyer of Rats, Mice and all Rodents. Get one and you get them all. Rax has no equal as a wholesale destroyer of rats, mice and gophers. Premises where other exterminators have failed to produce any effect may be cleared absolutely through one sufficiently large application of this preparation, and kept cleared for a reasonable length of time, even if the neighborhood be badly infested with the vermin. Per bottle 75c.

Old Trusty Vi-Ti. Is a food very highly concentrated which has revolutionized the rearing of puppies and kittens and acts as a preventative against the dreaded distemper and common ailments among dogs and cats. Small size 50c, large size \$1.00.

GERM-X

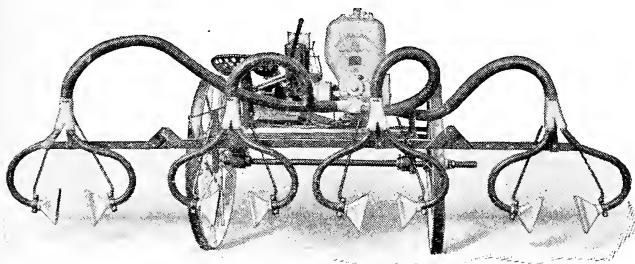
Germ-X is a colorless, non-poisonous Germicide, Deodorizer, Anti-septic and Disinfectant invaluable to the dairyman, creameryman and cheese maker. 1-gal. pkg. \$3.00, 5-gal. pkg. \$12.50.

NORTH STAR ANTISEPTIC COMPOUND WOOL FAT

North Star Wool Fat heals ugly wounds without leaving a scar. It is used for hard and contracted feet, thrush, quarter crack, sand crack, grease heel, scratches, corns, barb-wire cuts, sore shoulders, collar galls, etc. It nourishes injured tissues and prevents infection. It keeps horses on the job. 18-oz. cans \$1.00, 8-oz. cans 50c.

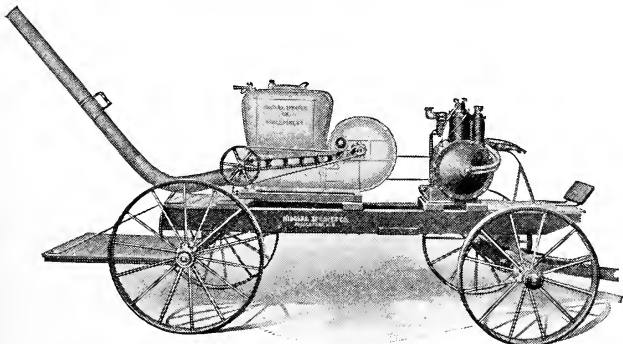
DUSTERS, PUMPS AND SPRAYERS

NIAGARA CROP DUSTER



Niagara Power Crop Duster will dust 30 acres of potatoes in one day

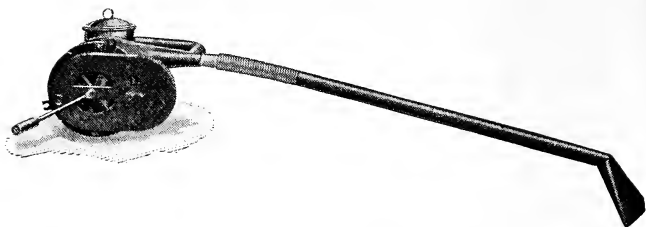
NIAGARA ORCHARD DUSTER



Niagara Power Orchard Duster will dust 40 acres a day

Send for Special Catalogue and Prices.

NIAGARA BLOWER GUN



Niagara Hand Blower Gun, will dust $\frac{1}{2}$ acre an hour

Niagara Dusts, pulverized to pass a screen of 200 mesh to the square inch and driven by air blasts, envelope orchard trees and other vegetation. The tiny atoms of poison settle tenaciously upon bark, foliage, etc., as dust settles upon an automobile windshield. These tiny atoms kill chewing and sucking insects, and eliminate plant diseases by contact.

One to two men with a duster can do the work of two to four men with a spray-rig in half the time.

The dusting methods puts the poison film on feeding places of insects without the disagreeable labor of mixing spray solutions, handling and hauling tons of water, etc.

Niagara Blower gun, hand operated, will dust one-half acre an hour of potatoes, celery, grapes, young orchard, etc.

VERMOREL DUSTERS AND SPRAYERS

The Vermorel Company of France—pioneer manufacturers of spray and dusting machinery—through thirty years of specialized effort—have developed the particular types herein described—to the highest state of perfection.

The Vermorel knapsack sprayers and dusters are today universally recognized as being superior in quality and performance to any other type.

The integrity—and world-wide reputation—of the company assures satisfaction to purchasers of Vermorel apparatus. Capacity $3\frac{1}{2}$ gallons.

Vermorel Eclair No. 1 Knapsack Sprayer



Simple and compact in construction. Reliable and efficient to the highest degree. A small sprayer that will

do a big job—and do it right—with the least effort. No plunger—no complicated mechanism. Makes spraying a pleasure—instead of a drudgery.

Price \$25.00.

The Vermorel "Orange" Duster Fig. 40



Size 12"x15". Hose and tube length four and one-half feet. Weight, eleven pounds (shipping weight 17 lbs.) Capacity, six quarts, dry measure (9 lbs. sulphur flowers).

For dusting sulphur or sulphur and arsenate mixtures, arsenate of lead or calcium, arsenite of zinc, Paris Green, Bordeaux or Bordeaux-Lead powders, lime, etc.

Simplicity in construction—Ease in operation—Efficient in its work—these are the outstanding features of this wonderful model.

The "ORANGE" being of the bellows type has no wheels, cogs, belts, or other complicated mechanism that would be likely to wear and give trouble.

An easy stroke of the lever insures an even flow of material with sufficient force for thorough penetration.

Equipped with fine and coarse screens and adjusting slide to regulate volume of flow.

Price \$20.00.

The Vermorel "DOUBLE ACTION" DUSTER Fig. 41.

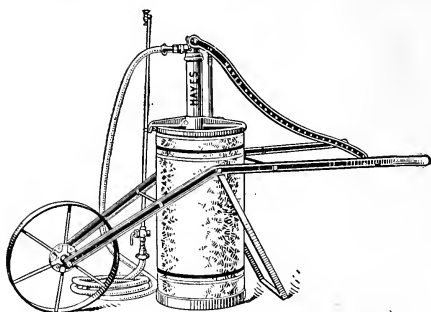
Capacity, same as the "ORANGE".

Slightly larger and heavier.

Being double action the flow is continuous instead of intermittent.

Price \$25.00.

HAYES WHEELBARROW SPRAYER

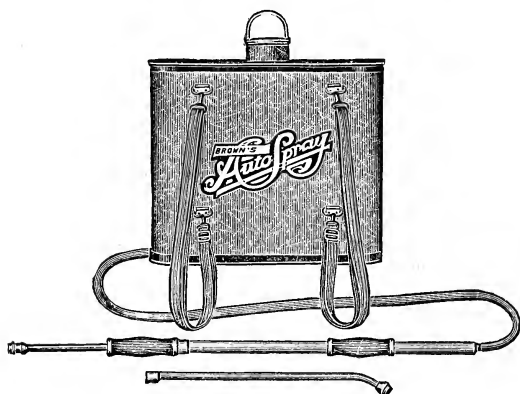


This handy portable outfit is especially designed for small orchards, truck gardens, greenhouses, estates, public parks and general purpose farm, home and garden work. Goes anywhere like a wheelbarrow, through narrow row crops.

The cart is strong, all steel and cross-braced. Tank of $12\frac{1}{2}$ gallons, heavy galvanized and steel banded. Equipped with $12\frac{1}{2}$ -ft. section Hayes $\frac{1}{2}$ -in. spray hose with fittings, 8-ft. steel extension with leakless stopcock, and one Hayes nozzle.

No. 1721 F Price \$26.50.

BROWN'S AUTO-SPRAY NO. 5



The pump is made entirely of brass. It has two ball valves so arranged that they may be instantly cleaned. The threads are all cut, not rolled, so that there is no chance for leakage. Pump is double acting and will generate a pressure of 180 lbs.

We furnish with this pump $3\frac{1}{2}$ ft. of $\frac{3}{8}$ -in. suction hose and a heavy strainer that keeps the hose from working out of a bucket or tank.

Auto-Spray No. 5, pump, hose, nozzle and strainer complete.....	\$4.75
Galvanized iron reservoir (for use on potatoes or field crops).....	3.25
Extension.....	.55



WIN YOUR WAR

On Bugs, Insects and Blight

Easily, quickly, profitably—without waste, muss or hard work by using a

SMITH No. 22 **BANNER** COMPRESSED AIR SPRAYER

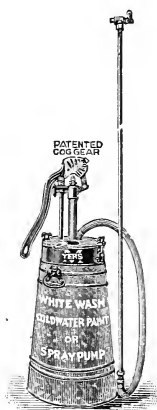
For spraying potatoes, vegetables, fruit-trees, grapes and berries. For whitewashing, spraying, disinfectant, fly oil, etc., for washing autos and windows—It does many jobs and does every job well.

Every Smith Sprayer sold with a guarantee of satisfactory service, or your money back.

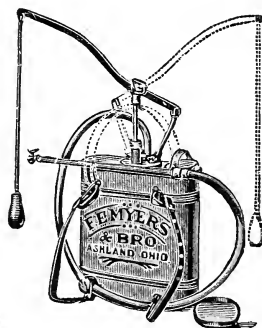
—Come in and ask us to show you why this is the best Compressed Air Sprayer made.

Price with Galvanized Tank \$6.50.

Price with Brass Tank \$9.00.



No. R329



No. 330 and 331

No. 330. The Myers Panama Galvanized Knapsack Spray Pump, fitted with 5 feet of $\frac{3}{8}$ -inch hose, stop cock, pipe extension and Bordeaux, or graduating Vermorel spray nozzle which can be graduated from a fine mist spray to a solid stream. Price \$11.87.

No. 331. Myers Panama Copper Knapsack Spray Pump, complete. Price \$19.00.

No. R329 represents the Myers Whitewash, Cold Water Painting Machine and General Purpose Sprayer, with patent Double Agitator—a most complete and serviceable outfit. The tank is made of heavy galvanized iron with a wide bottom so as to set steady in operation. The cover is removable, is held securely in place by two thumb nuts, one on each side, which holds the cover tight and prevents spilling or splashing of the liquid. Holds 7 gallons. Price \$12.00.

SPRAYING CALENDAR

This calendar, based upon the recommendations of the Agricultural Colleges and Experiment Stations of the country, is a brief guide for the general treatment of insect pests and plant diseases.

Timeliness is one of the greatest factors in the control of diseases and pests; in order to spray intelligently, that is, to strike at the proper time, one should know at least the main facts in the life-history of the insect or disease sprayed against. Moreover, it will pay to remember that, for nearly all fungous diseases and some insects, spraying is a preventive, and to be most effective must be done at the time when attacks may be expected, without waiting for the enemy to become apparent.

Spray only on clear, sunny days and finish the work early in the after-

noon, so that the application will dry rapidly and before dew falls. Spray evenly and thoroughly, using ample pressure and a nozzle that throws a fine mist, but do not continue until the foliage drips. Never spray when the trees are in blossom.

In general terms:

Poisons, such as Arsenate of Lead, are used to control leaf-eating insects. Examples—Canker Worm, Potato Beetle.

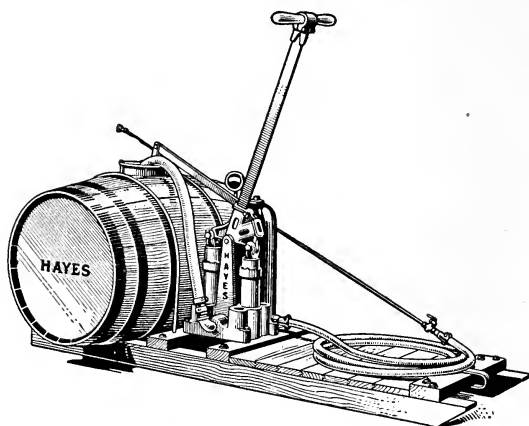
Contact Insecticides, such as Tobacco Extracts, Soap Sprays, etc., are used in fighting sucking insects. Examples—Plant Lice, Squash Stink-bug. Sucking insects will not be killed unless they are hit by the spray.

Bordeaux Mixture and Lime-Sulfur are for use against plant Diseases.

Plant	Enemy	Spray	1st Application	2nd Application	3rd Application
Apple	{ Bud Moth Codling Moth Scab Curculio { San Jose Scale	{ Arsenate of Lead and Bordeaux (Lime- Sulfur may be used instead of Bordeaux)	{ Just before blossoms open	{ Immediately after petals fall	{ 10 days later
Cabbage Cauliflower	{ Green Worms	{ Arsenate of Lead if plants are not head- ing	{ Autumn after leaves have fallen	{ Early Spring before leaf buds swell	{ If badly infested make both applica- tions
Carnation	{ Red Spider Rust	{ Clear Water Copper-Sulphate 1 lb. to 20 gals. water	{ Syringe off the plants 3 times a week, being In the greenhouse once in 2 weeks In the field once a week		{ Syringe off the plants 3 times a week, being In the greenhouse once in 2 weeks In the field once a week
Cucumber Melon Squash	{ Wilt Mildew Striped Beetle Borer	{ Bordeaux Bordeaux	{ Middle of July Keep the vines well sprayed to make them distasteful to the beetles As soon as stems are long enough cover the joints with earth so that secondary roots will develop	{ 10 days later,	
Currant Gooseberry	{ Currant Worm Mildew	{ Arsenate of Lead and Bordeaux Bordeaux	{ As soon as worms ap- pear Before leaf buds open	{ Use Hellebore after fruit is half grown After blossoming	

Grape	{ Flea-beetle Mildew	{ Arsenate of Lead Bordeaux	{ Before blossoms open Before blossoms open	{ When fruit has set	{ 2 weeks later
Peach and Apricot	{ San Jose Scale Peach Leaf-curl	{ (See under Apple) Lime-sulfur or Bor- deaux	{ Dormant season before buds swell	|	|
	{ Curculio	{ Arsenate of Lead	{ When shucks are shed- ding from the young fruit	{ One month after petals fall	|
	{ Scab and Brown Rot	{ <i>Self-boiled</i> Lime-sulfur 8-8-50	{ One month after petals fall	{ One month before fruit ripens	|
Pear	{ Psylla	{ Tobacco extract	{ After blossoms fall	{ 5 to 7 days later	|
	{ Codling moth	{ (See under apple)	|	|	|
	{ Scab Scale				
Plum	{ Curculio	{ Arsenate of lead	{ Just after blossoms fall	{ 1 week later	|
	{ Fungous diseases	{ (See under peach)	|	|	|
Potato	{ Scab	{ Soak seed before cutting for 90 minutes in corrosive sublimate 1 oz. to 7 gals. water. Plant in clean soil			
	{ Beetles Blight or Rot	{ Arsenate of Lead and Bordeaux	{ When plants are 6 or 8 inches high	{ 2 weeks later	{ Repeat every 2 or 3 weeks, omitting arsenate of lead if beetles are not in evidence. Wet spells followed by hot weather are favorable to development of rot and blight
Raspberry Blackberry Dewberry	{ Anthracnose	{ Bordeaux	{ When new canes are 6 inches high	{ 2 weeks later	|
	{ Red Rust	{ Dig up and burn all infected plants	|	|	|
Rose	{ Rose-chaffer	{ Arsenate of Lead	{ When beetles appear	{ Repeat when necessary	|
	{ Leaf spot	{ Bordeaux	{ As soon as spots appear	{ Repeat when necessary	|
	{ Mildew	{ Flowers of sulfur	{ Dust every 10 days if necessary	|	|
Strawberry	{ Leaf spot or rust	{ Bordeaux	{ 3 or 4 times during the season	|	|

HAYES PLATFORM DUPLEX HAND SPRAYER

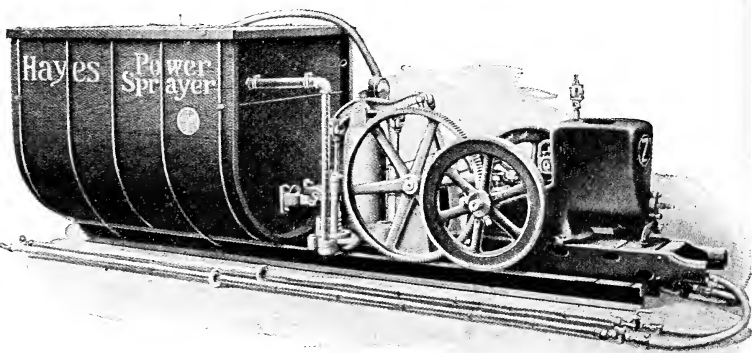


The Hayes Duplex Sprayer is suitable for small orchards where it is not thought advisable to purchase a power outfit. With the addition of a spray boom it is a practical pump or complete field rig for spraying potatoes and row crops. In addition this pump is recommended for cold water painting and whitewashing and is used in mills, factories, poultry farms, etc., where large surfaxes are to be coated.

Equipment—One 12½-foot section Hayes 5-ply ½-inch Spray Hose and fittings; one 10-foot steel extension with leakless stop cock and Hayes large disc angle nozzle.

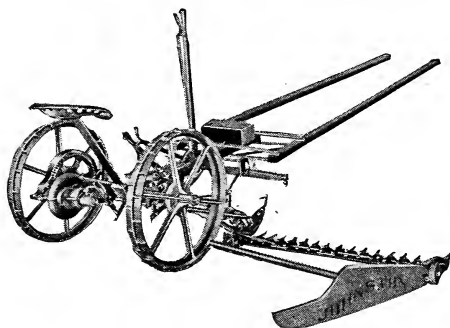
50 Gal. Bbl.\$57.00 100 Gal. Tank.....\$78.50

HAYES HIGH PRESSURE WALKING BEAM POWER SPRAYER



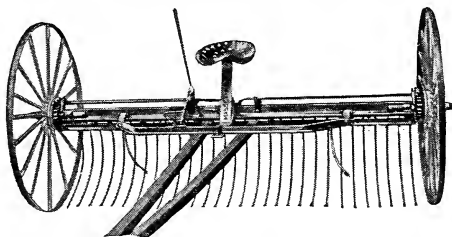
Write for descriptive circular giving combinations, sizes and prices.

MASSEY-HARRIS
High Grade Farm Machinery
THE MASSEY-HARRIS MOWER



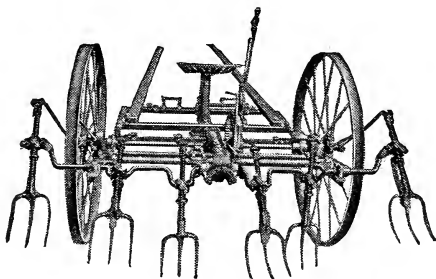
A powerful Cutter of light draft. Built in two styles and several widths.

Rake your Hay with a Massey-Harris—Its Better

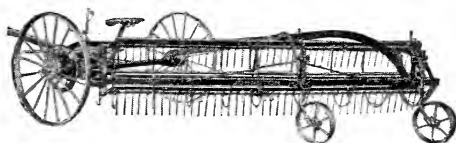


Built better than actually necessary in your interest.

MASSEY-HARRIS TEDDER



A Hay Tedder that does the business. Three Tined Forks will not break or bend.



To properly cure your hay you should use a rake which will collect the crop in loose windrows which will allow free air circulation. Air-cured hay of the kind assured by the

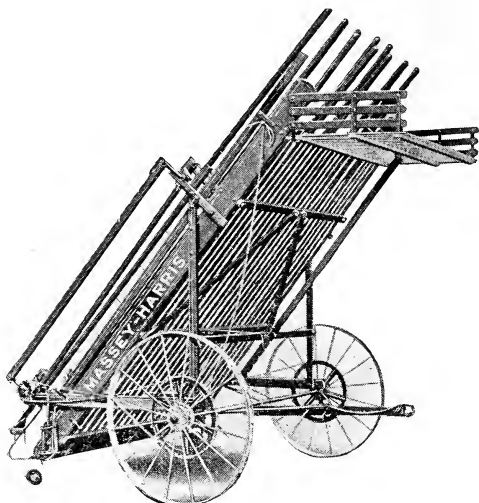
MASSEY-HARRIS SIDE-DELIVERY RAKE

is of much greater market value than hay prepared in the old fashioned manner, in which it is left in the swath to be scorched and bleached by the sun.

MASSEY-HARRIS

High Grade Farm Machinery

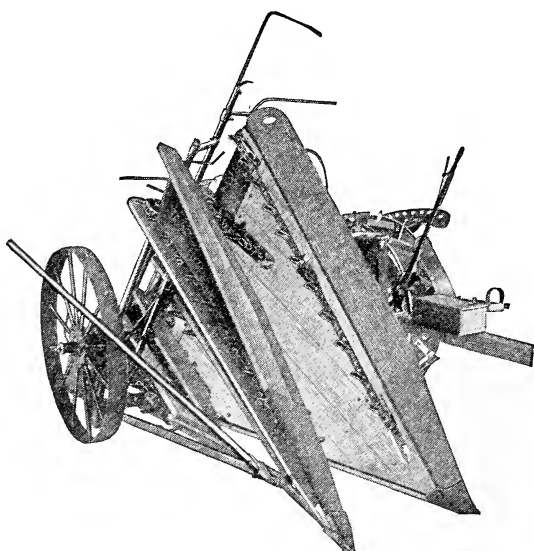
THE MASSEY-HARRIS NO. 2 RAKE BAR HAY LOADER



A light draft machine with 4 ft. 2 in. drive wheels employing no gears. Roller bearings in the castor wheels and correct weight balance help to lighten draft and minimize friction.

Loads from Swath or Windrow

MASSEY-HARRIS NO. 3 CORN BINDER

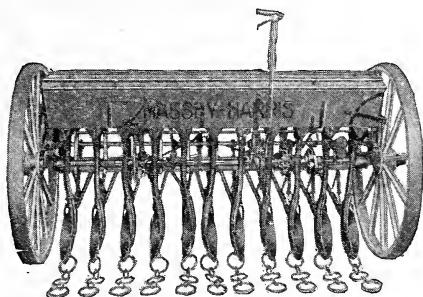


It binds the corn in an inclined position without the aid of any harsh methods which would mutilate the stalks and knock off the ears.

Send for special circulars and prices.

MASSEY-HARRIS COMBINED GRAIN AND FERTILIZER DRILLS

With Grass Seed Attachment

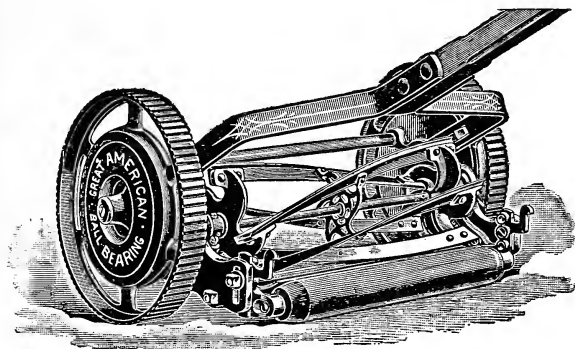


They have double force feed grain runs which sow every seed at the proper moment. The feed wheels run on a square shaft, insuring simultaneous and uniform sowing. There is never any hit or miss seed flow with this machine.

Send for special circulars and prices.

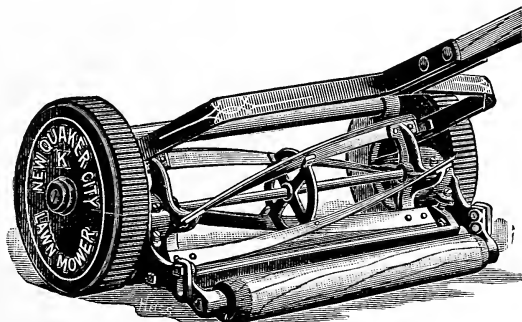
PENNSYLVANIA QUALITY LAWN MOWERS

Their economy in comparison to ordinary mowers is striking. Just divide the first cost of a "Pennsylvania" QUALITY Mower over the long years of work, and compare it to the cost of any other mower covering the short period of two or three years possible use, to say nothing of the frequent sharpening and repair bills of the ordinary mower.



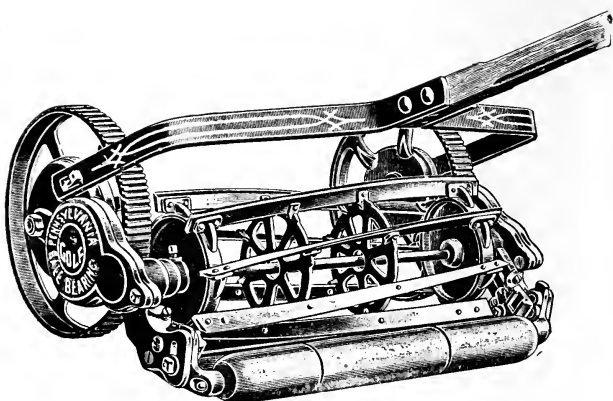
Great American—high wheel, 5 blade, ball bearing. The most popular high grade mower built.

15 in. \$18.50 17 in. \$21.50 19 in. \$24.00 21 in. \$26.00



Quaker City—low wheel, 4 blade, plain bearing.

14 in. \$13.00 16 in. \$15.00 18 in. \$17.00



Penn. Golf Mowers—6 blades, plain bearing.
 16 in..... \$25.00 18 in..... \$27.50

Panama—high wheel, 4 blade, plain bearing, best all round low priced mower made. Not illustrated.

14 in..... \$10.50 16 in..... \$11.00 18 in..... \$11.50

Delta—Ball Bearing

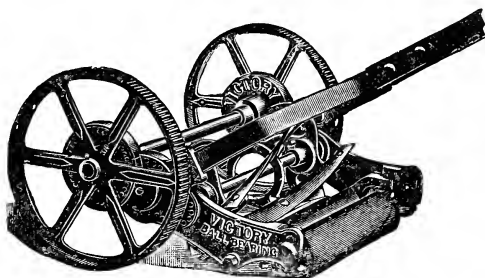
14 in..... \$7.50 16 in..... \$10.00 18 in..... \$10.50.

Penn. Undercut Trimmer..... \$12.00

Penn. Ball-bearing Trimmer..... 10.50

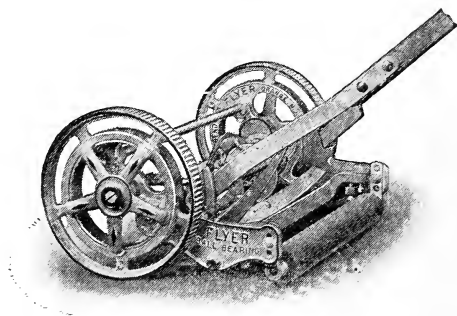
Write for special circulars and prices of other styles and sizes.

TOWNSEND BALL BEARING Lawn Mowers



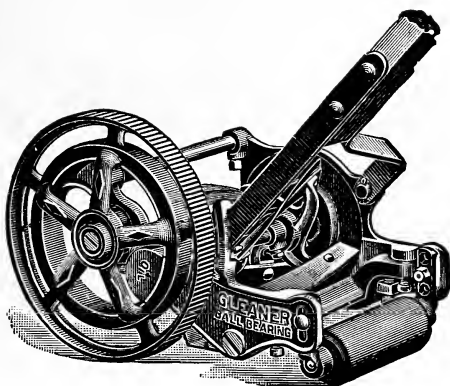
Townsend's Victory Mowers. Ball bearing, 4 blades.
 An excellent light weight mower.

16 in..... \$17.50 18 in..... \$19.00 20 in..... \$20.50



Townsend's Flyer Mower. A high grade ball bearing mower at medium price.

14 in..... \$11.00 16 in..... \$12.00 18 in..... \$13.00



Gleaner Trimmer. 8 in..... \$9.00

TOWNSEND GOLF WONDER

Full Ball Bearing. 4- $\frac{1}{2}$ in. Reel with six knives.
Fan Elevator and Roller, 6 $\frac{1}{2}$ inches diameter.

Golf Wonder, 18-inch..... \$30.00

TOWNSEND TRIPLEX MOWERS

Here is a mower that will cut a swath 86 inches wide. One man and one horse, with a Triplex, will cut more grass in a day than one man with the best motor mower ever made, and cut it better, at a small fraction of the cost. Can you ask more? We will let you verify it.

Write for special circular and prices.

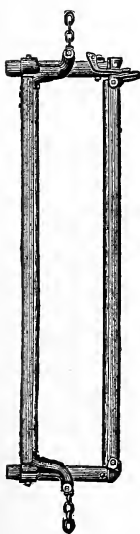
Pennsylvania Trio Hone Lawn Mowers

Pennsylvania Standard Hone Lawn Mowers

Pennsylvania Pony Lawn Mowers

STAR SANITARY BARN EQUIPMENT

STAR STANCHIONS



Eig. 486

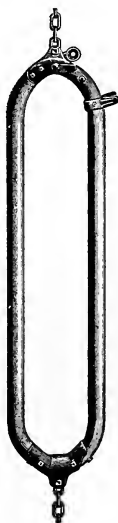


Fig. 499

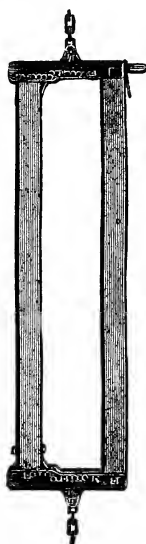
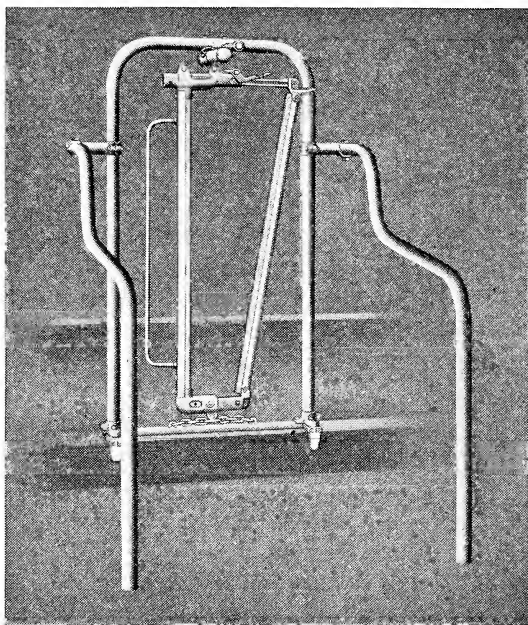


Fig. 452

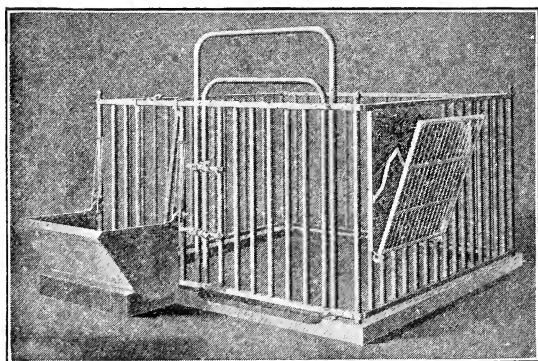
STAR SANITARY BARN EQUIPMENT

STAR STEEL STALL

(Unit System)



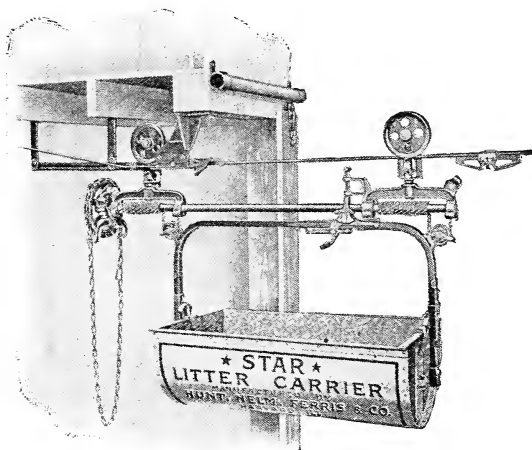
STAR STEEL COW PEN



Write us for Catalogue No. 81 giving full description of the entire Star Line.

STAR SANITARY BARN EQUIPMENT

STAR LITTER CARRIER



STAR SANITARY WATER BOWL

Cost Returned in Profit

Nothing will return its cost in extra profit quicker than STAR Sanitary Water Bowls. They cut out the winter slump in the production of milk. To the man who sells milk, it means spring and summer quantity at winter prices.

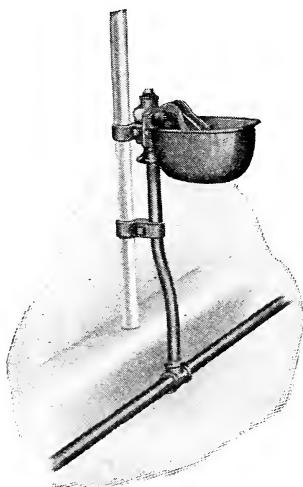
Three exclusive features are largely responsible for the superiority of the STAR WATER BOWL.

If the STAR WATER BOWL had all the faults of every watering device, it would still be in a class by itself, because of these three exclusive and distinctive features, which are fully protected by patents.

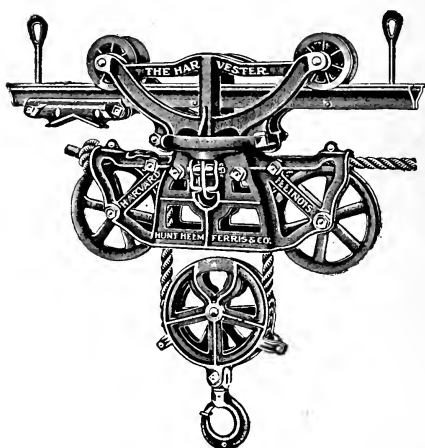
1. The inside of the bowl has no angles, slots, grooves, corners or projections; it is perfectly smooth.

2. Water can be piped directly into the bowl from either above or below, without the use of extra pipe fittings.

3. The valve lever slants into the bowl from the top instead of lying flat along the bottom.



HARVESTER HAY CARRIER



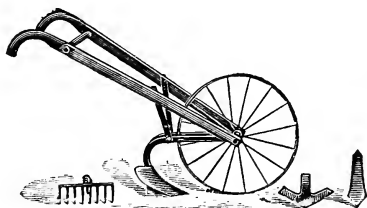
Complete line for double flange steel track. Send for circular and prices.

SKABOO CULTIVATOR



A complete 5 shovel cultivator with detachable double point reversible shovels. Adjustable from 10 to 14 inches in cutting width. A garden tool that will please the most exacting. Compactly bundled. Weight 21 lbs. Price, \$4.75.

NO. 2 CLIMAX CULTIVATOR



This Garden Cultivator has made a reputation and the 24-inch high wheel makes it an implement which will serve any purpose desired. Price, \$3.50.

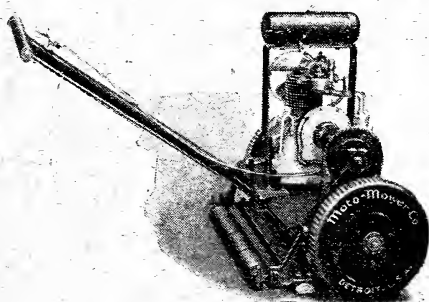
1923 NEW MODEL MOTO-MOWER

27-Inch Cut

The simplest and best all-round motor mower ever made. Light in weight, strongly built of best material, carefully machined and assembled. Fully guaranteed. Speed $\frac{1}{2}$ to $3\frac{1}{2}$ miles per hour. Capacity 4 to 5 acres per day. Magneto ignition, Timken roller bearings on mower reel.

Steel wheels with dry disc clutches. Sectional wood roller.

The Moto-Mower will cut as close to trees and flower beds as a hand-mower. Especially important is the fact that it can be operated on any terrace or hillside where a man can walk, a thing that can't possibly be done with the old-fashioned, heavy type of mower. A very large saving is accomplished by the fact that this thorough cutting leaves little more finishing to be done than will be required with a hand mower. The operator is able to cut close to objects because the Moto-Mower can be used in such restricted space, turned easily and sharply, because he has such accurate and easy control of the power.



GENERAL SPECIFICATIONS

Cut: 27 inches.

Cutting Adjustment: $\frac{1}{2}$ to $3\frac{1}{2}$ inches.

Cutting Speed: $\frac{1}{2}$ to $3\frac{1}{2}$ miles per hour.

Cutting Capacity: 4 or 5 acres per day.

Climbs: 25M grade.

Gasoline Consumption: about one gallon per day.

Weight: (net) 195 pounds.

Weight: (crated for shipping) about 250 pounds.

Bore: $2\frac{1}{2}$ inches.

Stroke: $2\frac{1}{2}$ inches.

H.P. (S.A.E.)— $1\frac{1}{2}$.

Speed: 600 to 2000 R.P.M.

Control: Throttle.

Ignition: Magneto.

Blades: 5 Heavy Crucible Steel (tempered).

Drive: Jack Shaft and Chain to Reel and from End of Reel to Wheels.

Clutches: Dry Disc Clutches in Wheels.

Control: One or Both Wheels can be engaged, either together or separately.

Reel Bearings: Timken Roller Bearing.

Wood Roller: Sectional, running on steel rod.

Wheels: Steel.

Price: \$235.00 f. o. b. Boston.

Send for special catalogue.

OLD TRUSTY DOG FOODS

"OLD TRUSTY" is a company composed almost entirely of practical dog men, many of whom have played no small part in bringing "man's best friend" to the high standard of perfection, it is now our pleasure to see in the show ring, home or field.

"OLD TRUSTY" came into being after much time was spent in experimenting for the production of a food.

"Fit for the Dogs."

The dog lover; "and breathes there a man with soul so dead who has not a warm spot in his heart for than noble animal is indebted to those kennel owners who made such experiments possible because it was only by such methods that a high standard food could be produced.



"OLD TRUSTY"

Foods of supreme quality and cleanliness.

ALL TERRIER FOOD. A granulated food of even balance, carefully mixed, not medicated or sweetened. Relished by dogs of all breeds.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

"TOP NOTCH." A coarse granulated food for large breeds. It has met with great success in many of the Hunt Clubs and sporting dog kennels.

100 lbs., \$9.25; 50 lbs., \$4.65; 25 lbs., \$2.50; 10 lbs., \$1.25.

"TIT BITS." A granulated food of the very highest order, without a doubt the supreme in dog foods. Mixed with "VI-TI" tablets we cannot conceive of a more perfect food for bitches in whelp or dogs off their feed.

100 lbs., \$10.25; 50 lbs., \$5.25; 25 lbs., \$2.75; 10 lbs., \$1.25
5 lbs., 90c.

PUPPY MEAL. A fine granulated food, well balanced, not a pasty meal. Mixed with "Old Trusty VI-TI" finer and stronger puppies will result. Vigorous puppies mean less disease.

100 lbs., \$8.25; 50 lbs., \$4.20; 25 lbs., \$2.20; 10 lbs., \$1.25;
5 lbs., 75c.

Prices subject to change without notice.